

Accesorios



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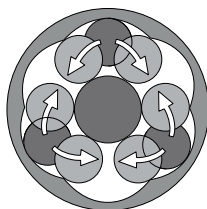
Accesorios



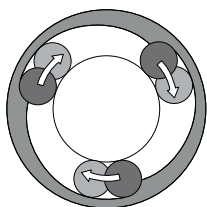
Extracción y apriete de espárragos



En los vasos el diseño hexagonal del cuerpo evita cargas excesivas en las celdas y rodillos internos del extractor.



El sistema de tres rodillos de las carracas protege a los espárragos de cualquier daño durante la aplicación.



Afloja tuercas Nut Twister



Los vasos NUT TWISTER están configurados para aflojar tuercas, pernos y espárragos redondeados por desgaste de forma fácil y eficaz.

Las afiladas aristas de la boca del vaso aprietan firmemente contra la tuerca perno o espárrago, haciéndolo girar fácilmente.

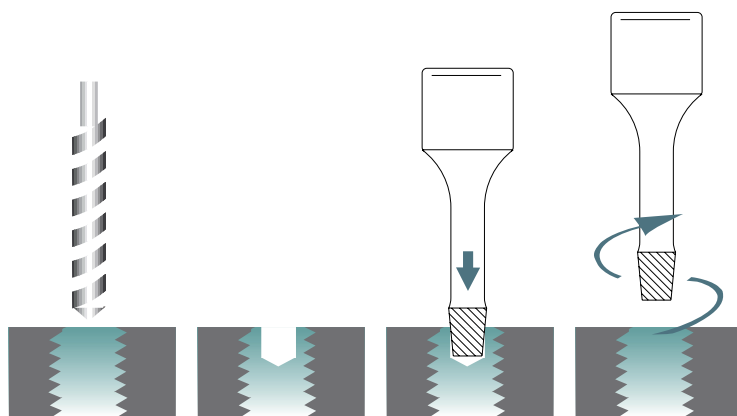


Afloja pernos Bolt Twister



Un método fácil y eficaz para aflojar pernos rotos.

Una vez taladrado un agujero en el centro del perno roto se introduce el afloja pernos Bolt Twister presionando y habiéndolo girar. Gracias al diseño de las afiladas aristas espirales, se agarra firmemente el perno roto sacándolo con total facilidad.



○ EXTRACTORES DE TORNILLOS Y ESPÁRRAGOS

mm	pulgadas	D	L	⚖	Ref Métrica	€	Ref Pulgadas	€
5		24	65	145	4100M5	25,59		
6	1/4	24	65	150	4100M6	25,59	4100A1/4	26,85
7		24	65	150	4100M7	25,59		
8	5/16	24	65	147	4100M8	25,59	4100A5/16	26,85
9		28	75	217	4100M9	27,63		
10	3/8	28	75	213	4100M10	27,63	4100A3/8	29,04
10,5		28	75	202	4100M10,5	27,63		
11	7/16	28	75	218	4100M11	27,63	4100A7/16	29,04
12		28	75	220	4100M12	27,63		
	1/2	28	75	191			4100A1/2	29,04
14	9/16	34	75	340	4100M14	29,17	4100A9/16	30,59
16	5/8	34	75	315	4100M16	32,99	4100A5/8	34,35

☒ = 1/2" excepto medidas 16 mm y 5/8".

» 4100M » 4100A



Patentado



🗄️ ○ JUEGO DE EXTRACTORES DE TORNILLOS Y ESPÁRRAGOS

Ref	🗄️	🗄️	⚖	€
4211M	215x80x47	4	1.040	114,04
4211A	215x80x47	4	1.040	103,11

Extractores 4211M

4100M ○ 6, 8, 10, 12

Extractores 4211A

4100A ○ 1/4, 5/16, 3/8, 1/2

☒ = 1/2"

» 4211M » 4211A



🗄️ ○ JUEGO DE EXTRACTORES DE TORNILLOS Y ESPÁRRAGOS

Ref	🗄️	🗄️	⚖	€
4214M	215x80x47	5	1.450	138,13

Extractore

4100M ○ 6, 8, 10, 12, 14

☒ = 1/2"

» 4214M

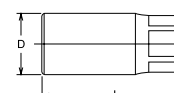


○ EXTRACTORES DE TORNILLOS Y ESPÁRRAGOS

mm	D	L	⚖	Ref	€
18	48	100	840	6100M18	181,92
20	48	100	816	6100M20	181,92
22	48	100	745	6100M22	209,58
24	48	100	739	6100M24	209,58
27	63	125	1.707	6100M27	261,18
28	63	125	1.701	6100M28	261,18
29	63	125	1.696	6100M29	261,18
30	63	125	1.691	6100M30	261,18

☒ = 3/4" para medidas 18 mm y 20mm.

» 6100M



○ EXTRACTORES DE TORNILLOS Y ESPÁRRAGOS DE IMPACTO

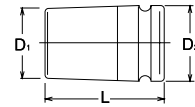
» 14100M » 14100A

mm	pulgadas	D	L	⚖	Ref Métrica	€	Ref Pulgadas	€
6	1/4	24	65	150	14100M6	31,63	14100A1/4	33,83
7		24	65	150	14100M7	31,63		
8	5/16	24	65	147	14100M8	31,63	14100A5/16	33,83
9		28	75	217	14100M9	33,27		
10	3/8	28	75	213	14100M10	33,27	14100A3/8	34,87
12		28	75	220	14100M12	33,27		
	1/2	28	75	191			14100A1/2	34,87

☐ = 1/2"



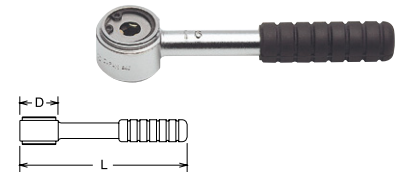
Patentado



○ EXTRACTORES DE ESPÁRRAGOS DE CARRACA

» 141S

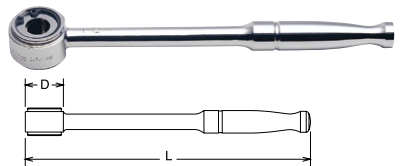
mm	D	L	⚖	Ref	€
6	28	120	150	141S6	58,35
8	28	120	150	141S8	58,35
10	32	120	153	141S10	59,42
12	32	120	152	141S12	59,42



○ EXTRACTORES DE ESPÁRRAGOS DE CARRACA

» 141P

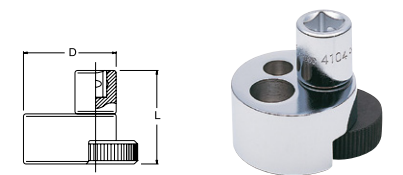
mm	D	L	⚖	Ref	€
6	28	205	210	141P6	61,25
8	28	205	210	141P8	61,25
10	32	205	229	141P10	62,26
12	32	205	227	141P12	62,26



○ EXTRACTOR DE TORNILLOS Y ESPÁRRAGOS

» 4104

Ref	☐	Tolerancia		L	⚖	€
		min.	máx.			
4101	1/2"	ø 6	ø 19	56	489	98,81

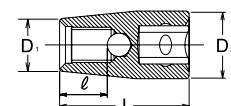


○ VASOS PARA APRETAR PERNOS

» 4103M

mm	D1	D2	ℓ	L	⚖	Ref	€
6 (1,0)	10,3	22	10	37	54	4103M6x1	17,70
7 (1,0)	11,5	22	10	37	58	4103M7x1	17,70
8 (1,25)	13,2	22	11,5	37	60	4103M8x1,25	20,41
10 (1,25)	15,3	23	13,5	44	86	4103M10x1,25	20,41
10 (1,5)	15,3	23	13,5	44	86	4103M10x1,5	20,41
12 (1,25)	17,8	23	15,5	44	86	4103M12x1,25	20,41
12 (1,75)	17,8	23	15,5	44	86	4103M12x1,75	20,42

☐ = 1/2"




JUEGO DE VASOS PARA APRETAR PERNOS

»4203M

Ref				€
4203M	130x65x26	4	530	78,71

Extractor

4103M  6 (1,0), 8 (1,25), 10 (1,5), 12 (1,75)

 = 1/2"

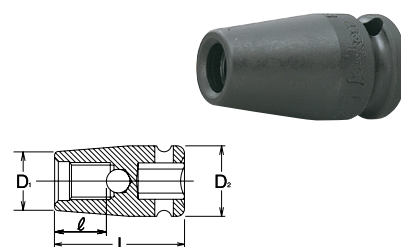


VASOS PARA APRETAR PERNOS DE IMPACTO

» 13103M


mm	D1	D2	ℓ	L		Ref	€
5 (0,8)	9,5	19	9	32	39	13103M5x0,8	14,14
6 (1,0)	10,8	19	10	32	41	13103M6x1	14,14
7 (1,0)	12,5	19	10	32	44	13103M7x1	14,14
8 (1,25)	13,5	19	10,5	35	49	13103M8x1,25	14,14
10 (1,25)	15,8	19	13,5	35	49	13103M10x1,25	14,14
10 (1,5)	15,8	19	13,5	35	49	13103M10x1,5	14,14

 = 3/8"

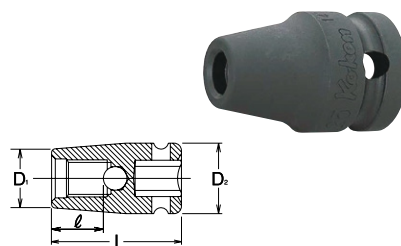


VASOS PARA APRETAR PERNOS DE IMPACTO

» 14103M

mm	D1	D2	ℓ	L		Ref	€
6 (1,0)	12	25	10	42	75	14103M6x1	14,14
7 (1,0)	13,2	25	11,4	42	78	14103M7x1	14,14
8 (1,25)	14,5	25	11,5	42	81	14103M8x1,25	14,14
10 (1,25)	17	25	13,5	49	106	14103M10x1,25	17,11
10 (1,5)	17	25	13,5	49	106	14103M10x1,5	17,11
12 (1,25)	19,5	25	15,5	49	107	14103M12x1,25	17,11
12 (1,75)	19,5	25	15,5	49	107	14103M12x1,75	17,11
14(1,5)	22	25	18,2	55	128	14103M14x1,5	18,64
14 (2,0)	22	25	18,2	55	128	14103M14x2,0	18,64

 = 1/2"

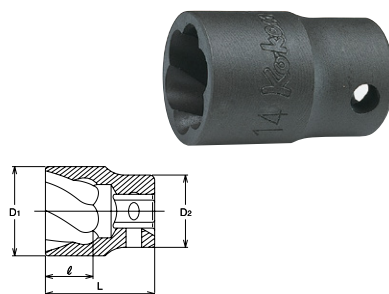


AFLOJA TURCAS

» 3127

mm	D1	D2	∅	L	⚖	Ref	€
8	13	19	8	32	40	31278	39,37
9	14,5	19	8	32	40	31279	39,37
10	15,8	19	10	32	41	312710	39,37
11	17,2	19	10	32	43	312711	39,37
12	18,5	19	12	32	44	312712	39,37
13	19,7	19	12	32	46	312713	41,21
14	21	19	14	32	48	312714	41,21
15	22,5	19	14	32	52	312715	41,21
16	23,9	22	14	32	66	312716	44,99
17	25,8	22	16	35	80	312717	45,00
19	28,4	22	16	35	92	312719	45,00

☐ = 3/8"



JUEGO DE VASOS EN REGLETA

» RS3127/8

Ref	Tipo	⚖	⚖	☐	☐	€
RS3127/8	○ 3127	200	420	8	8, 9, 10, 11, 12, 13, 14, 16	324,28

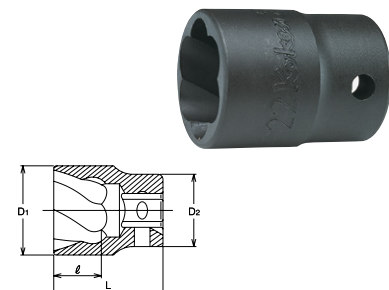


AFLOJA TURCAS

» 4127

mm	D1	D2	∅	L	⚖	Ref	€
14	19,7	30	14	42	125	412714	52,97
17	23,5	30	16	42	137	412717	52,97
19	26	30	16	42	146	412719	52,97
21	28	30	17	42	153	412721	52,97
22	29,5	30	17	42	158	412722	52,97
24	32	30	18	42	174	412724	52,97
25,4	33,5	30	18	42	183	412725,4	52,97

☐ = 1/2"



JUEGO DE VASOS EN REGLETA

» RS4127/6

Ref	Tipo	⚖	⚖	☐	☐	€
RS4127/6	○ 4127	200	960	6	17, 19, 21, 22, 24, 25,4	317,92

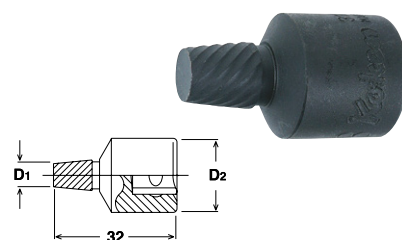


AFLOJA PERNOS

mm	D1	D2	⚖	Ref	€
2	2	19	32	3129-322	12,22
3	3	19	33	3129-323	12,22
4	4	19	33	3129-324	12,22
6	6	19	35	3129-326	12,22
8	8	19	37	3129-328	12,22
10	10	19	40	3129-3210	12,22

☐ = 3/8"

» 3129-32



JUEGO DE VASOS EN REGLETA

Ref	Tipo	⚖	⚖	⚖	⚖	€
RS3129/6-L32	3129-32	150	250	6	2, 3, 4, 6, 8, 10	73,28

» RS3129/6-L32

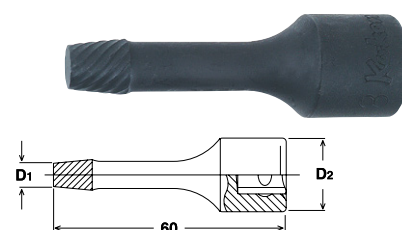


AFLOJA PERNOS

mm	D1	D2	⚖	Ref	€
2	2	19	38	3129-602	13,12
3	3	19	42	3129-603	13,12
4	4	19	44	3129-604	13,12
6	6	19	47	3129-606	13,12
8	8	19	53	3129-608	13,12
10	10	19	64	3129-6010	13,12

☐ = 3/8"

» 3129-60



JUEGO DE VASOS EN REGLETA

Ref	Tipo	⚖	⚖	⚖	⚖	€
RS3129/6-L60	3129-60	150	320	6	2, 3, 4, 6, 8, 10	78,60

» RS3129/6-L60

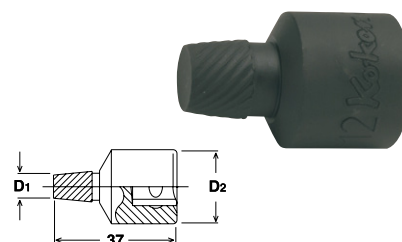


AFLOJA PERNOS

mm	D1	D2	⚖	Ref	€
8	8	24	59	4129-378	13,63
10	10	24	63	4129-3710	13,63
12	12	24	67	4129-3712	13,63
14	14	24	72	4129-3714	13,63
16	16	24	78	4129-3716	16,86

☐ = 1/2"


» 4129-37

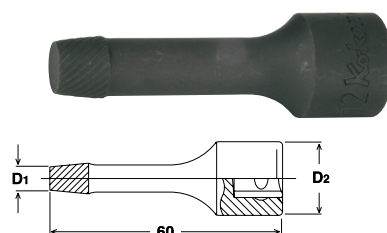


JUEGO DE VASOS EN REGLETA
» RS4129/5-L37

Ref	Tipo					€
RS4129/5-L37	4129-37	150	370	5	8, 10, 12, 14, 16	70,32


AFLOJA PERNOS
» 4129-75

mm	D1	D2		Ref	€
8	8	24	80	4129-758	15,00
10	10	24	94	4129-7510	15,00
12	12	24	110	4129-7512	15,00
14	14	24	130	4129-7514	15,00
16	16	24	150	4129-7516	20,12

 = 1/2"


KOKEN IIIIII

JUEGO DE VASOS EN REGLETA
» RS4129/5-L75

Ref	Tipo					€
RS4129/5-L75	4129-75	150	600	5	8, 10, 12, 14, 16	80,20


Diámetros afloja pernos

Afloja pernos	2	3	4	6	8	10	12	14	16
Diámetro perno (mm)	M5	M6	M8	M10-M12	M14-M16	M18-M20	M22-M24	M27-M30	M33
Diámetro taladro (mm)	2,4-2,6	3,2-3,5	4,2-4,5	6,2-6,5	8,2-8,5	10,2-10,5	12,2-12,5	14,2-14,5	16,2-16,5

SIN PALANCA DE INVERSIÓN

mm	pulgadas	L	D1	D2	C	⚖️	Ref Métrica	€	Ref Pulgadas	€
	7/32x1/4	108	15,3	16,4	7,5	60			102NA7/32x1/4	27,54
6x7	1/4x9/32	108	15,3	16,4	7,5	60	102NM6x7	26,14	102NA1/4x9/32	27,54
7x8	1/4x5/16	108	15,3	16,4	7,5	60	102NM7x8	26,14	102NA1/4x5/16	28,20
8x9	5/16x11/32	134	17,1	19,7	7,5	80	102NM8x9	27,54	102NA5/16x11/32	28,92
8x10	5/16x3/8	134	17,1	19,7	7,5	80	102NM8x10	27,54	102NA5/16x3/8	28,92
10x11	3/8x7/16	140	20,1	22,7	7,5	87	102NM10x11	27,54	102NA3/8x7/16	30,04
10x12		140	20,1	22,7	7,5	87	102NM10x12	30,35		
11x13		145	23,6	24,6	9	112	102NM11x13	30,35		
12x13	7/16x1/2	145	23,6	24,6	9	112	102NM12x13	30,35	102NA7/16x1/2	32,53
12x14	1/2x9/16	145	23,6	24,6	9	112	102NM12x14	30,82	102NA1/2x9/16	32,53

» 102NM » 102NA



REVERSIBLE

mm	pulgadas	L	D1	D2	C	⚖️	Ref Métrica	€	Ref Pulgadas	€
	7/32x1/4	108	15,3	16,4	7,5	51			102KA7/32x1/4	23,14
6x7		108	15,3	16,4	7,5	51	102KM6x7	21,98		
7x8	1/4x5/16	108	15,3	16,4	7,5	51	102KM7x8	23,14	102KA1/4x5/16	24,49
8x9	5/16x11/32	134	17	20	9	76	102KM8x9	23,14	102KA5/16x11/32	26,17
8x10		134	17	20	9	76	102KM8x10	23,14		
10x11	3/8x7/16	141	21	23,5	9	84	102KM10x11	23,14	102KA3/8x7/16	24,49
10x12		141	21	23,5	9	84	102KM10x12	24,99		
12x13		146	24	25	9	89	102KM12x13	25,51		
12x14	1/2x9/16	146	24	25	9	89	102KM12x14	26,14	102KA1/2x9/16	27,42
13x17		200	27,1	31,8	16	190	102KM13x17	48,77		
14x17		200	27,1	31,8	16	200	102KM14x17	48,77		

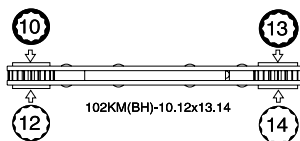
» 102KM » 102KA



CON BOCAS GEMELAS (DOS EN UNO)

mm	L	D1	D2	C	⚖️	Ref	€
5,5-6 x 7-8	108	15,3	16,4	10	60	102KMBH5,5-6x7-8	51,84
8-10 x 12-13	141	21	23,5	13	87	102KMBH8-10x12-13	51,84
9-10 x 11-12	141	21	23,5	13	87	102KMBH9-10x11-12	51,84
10-12 x 13-14	146	24	25	13	98	102KMBH10-12x13-14	50,92
13-14 x 15-17	200	27,1	31,8	16	200	102KMBH13-14x15-17	50,92

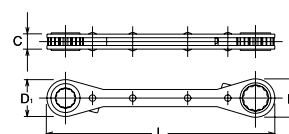
» 102KM-BH



REVERSIBLE TORX®

TORX®	L	D1	D2	C	⚖️	Ref	€
E4 x E6	108	15,3	16,4	7,5	51	102KTE4xE6	25,06
E6 x E8	108	15,3	16,4	7,5	51	102KTE6xE8	25,06
E10 x E12	134	17	20	9	76	102KTE10xE12	25,06

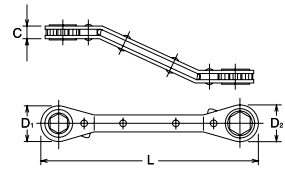
» 102KT



REVERSIBLE

mm	pulgadas	L	D1	D2	C	⚖	Ref Métrica	€	Ref Pulgadas	€
	7/32x1/4	103	15,3	16,4	7,5	51			103KA7/32x1/4	27,51
6x7		103	15,3	16,4	7,5	51	103KM6x7	22,55		
7x8	1/4x5/16	103	15,3	16,4	7,5	51	103KM7x8	22,55	103KA1/4x5/16	24,15
8x9	5/16x11/32	128	17	20	9	76	103KM8x9	22,54	103KA5/16x11/32	25,06
8x10	5/16x3/8	134	17	20	9	76	103KM8x10	23,15	103KA5/16x3/8	25,06
10x11	3/8x7/16	140	21	23,5	9	84	103KM10x11	23,86	103KA3/8x7/16	25,06
10x12		140	21	23,5	9	84	103KM10x12	25,80		
12x13	7/16x1/2	145	24	25	9	89	103KM12x13	25,80	103KA7/16x1/2	28,41
12x14	1/2x9/16	145	24	25	9	89	103KM12x14	26,96	103KA1/2x9/16	28,41

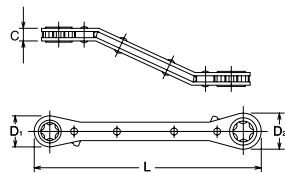
» 103KM » 103KA



REVERSIBLE TORX®

TORX®	L	D1	D2	C	⚖	Ref	€
E4 x E6	104	15,3	16,4	7,5	51	103KTE4xE6	25,06
E6 x E8	104	15,3	16,4	7,5	51	103KTE6xE8	25,06
E10 x E12	128	17	20	9	76	103KTE10xE12	25,06
E14 x E16	139	24	25	9	89	103KTE14XE16	30,19

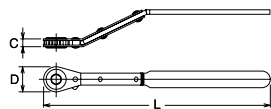
» 103KT



PARA CALENTADORES

mm	L	D	C	⚖	Ref	€
8	200	22,7	7,5	95	144KM8	27,48
12	200	22,7	7,5	102	144KM12	33,88

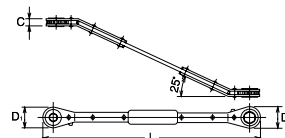
» 144KM



PARA CALENTADORES

mm	L	D1	D2	C	⚖	Ref	€
8S x 12	245	23,6	24,6	9	187	148KM8Sx12	57,46

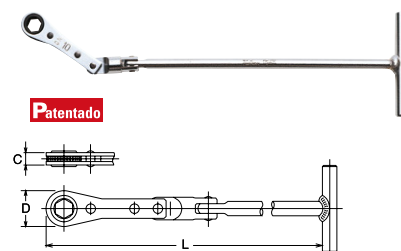
» 148KM



○ LLAVES DE CARRACA DE EMPUJE Y TRACCIÓN

mm	L	D	C	⚖	Ref	€
8	294	17,1	7,5	178	154M8	63,37
10	297	20,1	7,5	183	154M10	59,09
12	300	23,6	9	189	154M12	64,54
13	301	24,6	9	194	154M13	74,21
14	301	24,6	9	194	154M14	74,21

» 154M



○ LLAVES DE CARRACA DE EMPUJE Y TRACCIÓN

mm	L	D	C	⚖	Ref	€
10	297	20,1	7,5	230	154ML10	88,34
12	300	23,6	9	252	154ML12	89,62

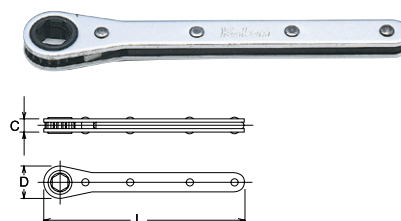
» 154ML



○ REVERSIBLE, 10MM HEXAGONAL

mm	L	D	C	⚖	Ref	€
10	125	20,1	7,5	72	145KM10H	18,54

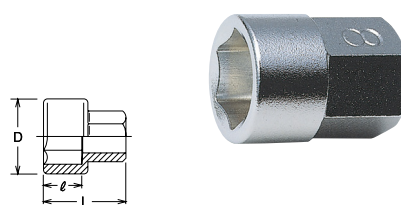
» 145KM-10H



○ VASOS CON CONDUCTOR HEXAGONAL 10MM

mm	D	ℓ	L	⚖	Ref	€
5	12	3,5	11	6	15010H5	14,30
6	12	4,5	12,5	7	15010H6	14,30
7	12	5	14	7	15010H7	14,30
8	12	6	15,5	7	15010H8	14,30
9	13	6	16	7	15010H9	14,30
10	14,3	7	17	9	15010H10	14,30
12	17,4	9	19,5	14	15010H12	14,30

» 150-10H



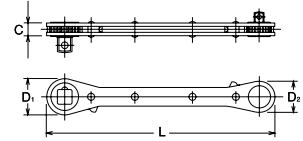
KOKEN IIIIII

PARA VASOS CON CONDUCTOR CUADRADO DE 1/4" Y 3/8"

>> 137

mm	D1	D2	C	⚖	Ref	€
141	23,5	21	9	104	137	30,52

■ 1/4" 3/8"



PARA PUNTAS 101

>> 138

mm	D1	D2	C	⚖	Ref	€
141	23,5	21	9	87	138	27,54

■ 1/4" ○ 1/4"

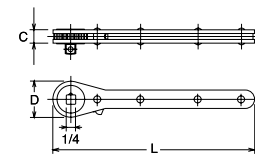


PARA VASOS CON CONDUCTOR CUADRADO DE 1/4"

>> 139

mm	D	C	⚖	Ref	€
125	20,1	7,5	80	139	18,98

■ 1/4"



VASOS PARA APRETAR PERNOS DE IMPACTO

>> R810

pulgadas	L	D1	D2	C	⚖	Ref	€
1/4x5/16	108	15,3	16,4	7,5	60	R8101/4x5/16	22,76
3/8x7/16	140	20,1	22,7	7,5	87	R8103/8x7/16	25,80
1/2x9/16	145	23,6	24,6	9	112	R8101/2x9/16	28,64

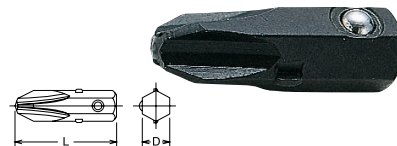
○ 1/4" 5/16" para puntas 101 y 128



+ PUNTAS PHILLIPS

» 101P

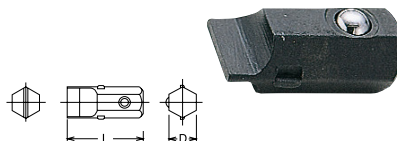
PH	D	L	⚖	Ref	€
PH1	6,35 (1/4")	20,5	3	101PH1	5,33
PH2	6,35 (1/4")	20,5	4	101PH2	5,33
PH3	6,35 (1/4")	20,5	5	101PH3	5,33



⊖ PUNTAS RECTAS/PLANAS

» 101S

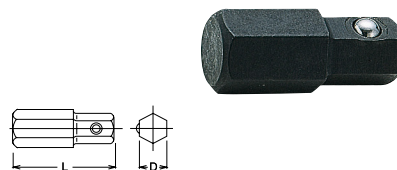
mm	D	L	⚖	Ref	€
1,0x7	6,35 (1/4")	15	3	101S1x7	6,47
1,2x7	6,35 (1/4")	15	3	101S12x7	6,47



● PUNTAS HEXAGONALES

» 101H

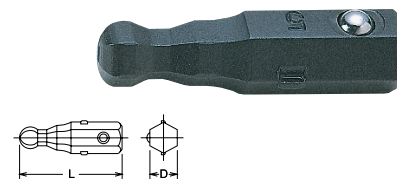
mm	D	L	⚖	Ref	€
3	6,35 (1/4")	20,5	5	101H3	6,65
4	6,35 (1/4")	20,5	5	101H4	6,65
5	6,35 (1/4")	20,5	5	101H5	6,65
6	6,35 (1/4")	20,5	5	101H6	6,65
7	6,35 (1/4")	20,5	6	101H7	6,65
8	6,35 (1/4")	20,5	7	101H8	6,65



● PUNTAS HEXAGONALES CON BOLA

» 101B

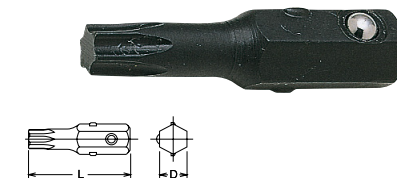
mm	D	L	⚖	Ref	€
3	6,35 (1/4")	25	4	101B3	7,06
4	6,35 (1/4")	25	4	101B4	7,06
5	6,35 (1/4")	25	5	101B5	7,06
6	6,35 (1/4")	25	5	101B6	7,06



⊕ PUNTAS TORX®

» 101T (T)

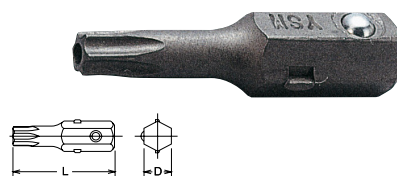
TORX®	D	L	⚖	Ref	€
T9	6,35 (1/4")	25	4	101-25T9	7,54
T10	6,35 (1/4")	25	4	101-25T10	7,54
T15	6,35 (1/4")	25	5	101-25T15	7,54
T20	6,35 (1/4")	25	5	101-25T20	7,54
T25	6,35 (1/4")	25	5	101-25T25	7,54
T27	6,35 (1/4")	25	6	101-25T27	7,54
T30	6,35 (1/4")	25	6	101-25T30	7,54



⊕ PUNTAS TORX® INVOLABLES

» 101T (TH)

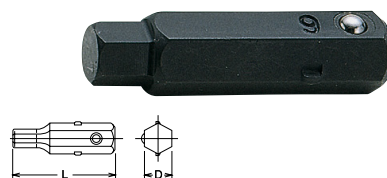
TORX®	D	L	⚖	Ref	€
T10H	6,35 (1/4")	25	4	101-25TH10	8,42
T15H	6,35 (1/4")	25	4	101-25TH15	8,42
T20H	6,35 (1/4")	25	5	101-25TH20	8,42
T25H	6,35 (1/4")	25	5	101-25TH25	8,42
T27H	6,35 (1/4")	25	6	101-25TH27	8,42
T30H	6,35 (1/4")	25	6	101-25TH30	8,42



PUNTAS HEXAGONALES

» 128H

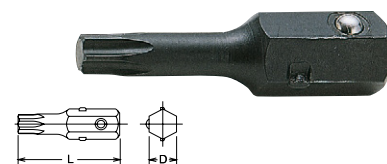
mm	D	L	⚖	Ref	€
3	8 (5/16")	32	11	128H3	6,79
4	8 (5/16")	32	11	128H4	6,79
5	8 (5/16")	32	12	128H5	6,79
6	8 (5/16")	32	12	128H6	6,79
8	8 (5/16")	32	13	128H8	6,79



PUNTAS TORX®

» 128T

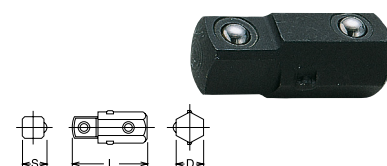
TORX®	D	L	⚖	Ref	€
T10	8 (5/16")	32	9	128T10	8,43
T15	8 (5/16")	32	9	128T15	8,43
T20	8 (5/16")	32	9	128T20	8,43
T25	8 (5/16")	32	10	128T25	8,43
T27	8 (5/16")	32	10	128T27	8,43
T30	8 (5/16")	32	11	128T30	8,43



ADAPTADOR

» 101A

S	D	L	⚖	Ref	€
6,35 (1/4")	8 (5/16")	20	8	101A	5,63



JUEGO DE PUNTAS

»1202

Ref	📦	📦	⚖	€
1202	190 x 60 x 30	15	420	135,21

Puntas

101P	⊕ 1, 2, 3
101S	⊖ 1 x 7
101B	● 3, 4, 5, 6
101T	● T10, T15, T20, T25, T27, T30

Accesorios

138	🔗
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JUEGO DE PUNTAS

»R810A

Ref	📦	📦	⚖	€
R810A	130 x 65 x 20	5	208	55,19

Puntas

101P	⊕ 1, 2, 3
101S	⊖ 1 x 7

Accesorios

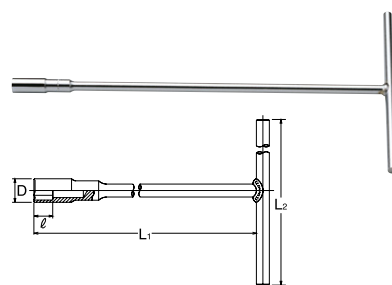
102NA-1/4 x 5/16	🔗
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○ LLAVE EN T HEXAGONAL LARGA

mm	D	ℓ	L1	L2	⚖	Ref	€
8	12	9	355	200	231	156M8	28,68
10	14,5	11	355	200	289	156M10	31,76
12	16,8	13	355	200	429	156M12	33,00
14		16	355	200	454	156M14	34,30

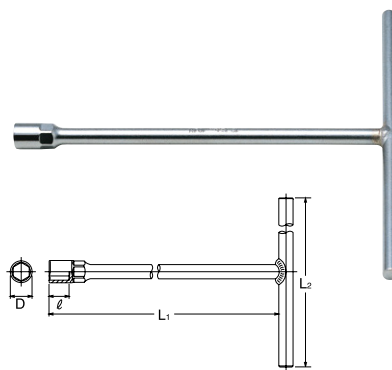
» 156M



○ LLAVE EN T HEXAGONAL

mm	D	ℓ	L1	L2	⚖	Ref	€
6	9,5	8	200	180	150	104ME6	15,25
7	11	9	200	180	152	104ME7	15,24
8	12	10	250	200	183	104ME8	15,24
9	14	12	250	200	188	104ME9	15,24
10	14	13	250	200	230	104ME10	15,24
11	16	14	250	200	234	104ME11	15,24
12	18	15	250	200	355	104ME12	16,59
13	18,5	17	250	200	390	104ME13	16,59
14	20	18	250	250	399	104ME14	16,59
15	21	19	250	250	404	104ME15	16,59
16	22,5	21	250	250	419	104ME16	20,84
17	24	22	250	250	568	104ME17	22,49
18	25	23	250	250	577	104ME18	22,49
19	26,5	25	250	250	594	104ME19	24,89

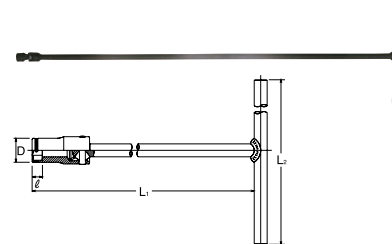
» 104ME



○ LLAVE EN T CON ARTICULACIÓN UNIVERSAL CON VASO HEXAGONAL

mm	D	ℓ	L1	L2	⚖	Ref	€
10	14,5	8	800	190	796	3116M10	74,04
12	17	10,3	800	190	797	3116M12	74,04
13	18	11,3	800	190	797	3116M13	77,06
14	19,5	11,3	800	190	797	3116M14	77,06
15	21	12,8	800	190	799	3116M15	77,06
16	22	12,8	800	190	806	3116M16	77,19
17	23,6	13,8	800	190	801	3116M17	78,12
18	24	13,8	800	190	809	3116M18	78,12

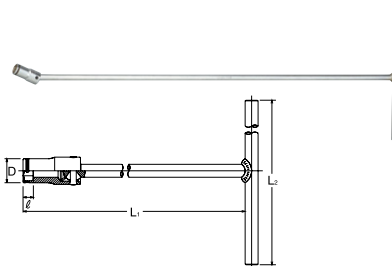
» 3116M



○ LLAVE EN T CON ARTICULACIÓN DE RÓTULA Y VASO SUJETA TUERCA

mm	D	ℓ	L1	L2	⚖	Ref	€
8	12	5	600	200	332	124M-6002B8	58,14
10	14,5	6	600	200	334	124M-6002B10	58,14
12	16,8	7	600	200	424	124M-6002B12	58,61
13	18	8	600	200	425	124M-6002B13	62,97
14	19,5	8,5	600	200	527	124M-6002B14	62,97
17	23,3	9,5	600	200	538	124M-6002B17	64,24

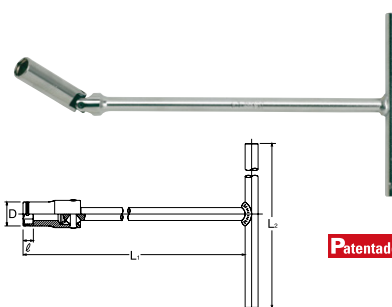
» 124M-6002B



○ LLAVE EN T CON ARTICULACIÓN UNIVERSAL CON VASO HEXAGONAL

mm	D	ℓ	L1	L2	⚖	Ref	€
14	19	11	315	150	520	127C-31514	57,20
16	21	13	315	150	530	127C-31516	57,20
18	23,9	12	315	150	590	127C-31518	57,20
20,8	36,8	13,5	315	150	590	127C-31520,8	59,18

» 127C

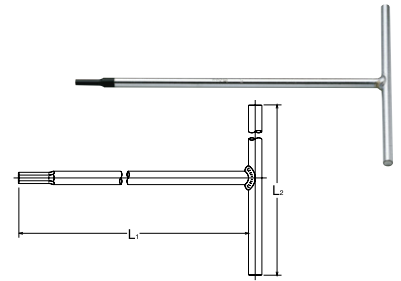


Patentado

● LLAVE EN T PARA TORNILLOS DE SEIS LADOS EN EL INTERIOR (INHEX)

mm	L1	L2	⚖	Ref	€
3	250	180	98	157HE3	19,97
4	250	180	121	157HE4	21,25
5	250	180	158	157HE5	23,74
6	250	180	416	157HE6	28,68
8	250	180	422	157HE8	28,68
10	300	190	440	157HE10	28,68
12	320	210	660	157HE12	28,68

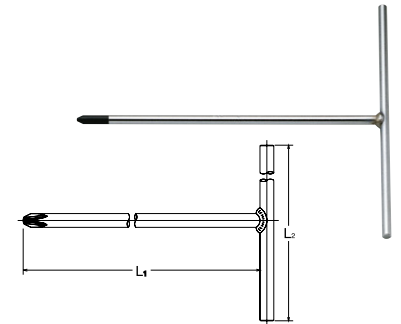
» 157HE



⊕ LLAVE EN T PARA TORNILLOS PHILLIPS

PH	L1	L2	⚖	Ref	€
PH2	250	180	95	157PE2	26,85
PH3	250	180	170	157PE3	26,85

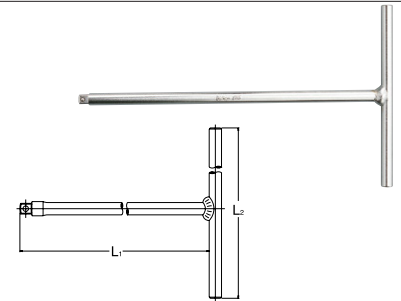
» 157PE



□ LLAVE EN T

□	L1	L2	⚖	Ref	€
1/4"	200	120	130	2715	16,43
3/8"	268	240	386	3715	20,54
3/8"	268	190	347	3715S	20,54
3/8"	237	200	325	3715SL	26,94
3/8"	236	200	470	3715SLK	56,00
3/8"	268	240	379	3716	29,65

» 2715/3715/3715S/3715SL/
3715SLK/3716



Mod. 3715SL



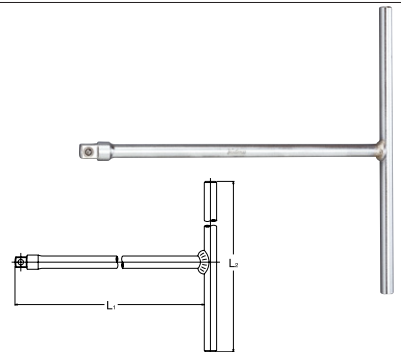
Ref. 3716



□ LLAVE EN T

□	L1	L2	⚖	Ref	€
1/2"	267	255	475	4715	20,54
1/2"	267	170	402	4715S	20,54
1/2"	250	250	640	4715SL	32,49

» 4715/4715S/4715SL



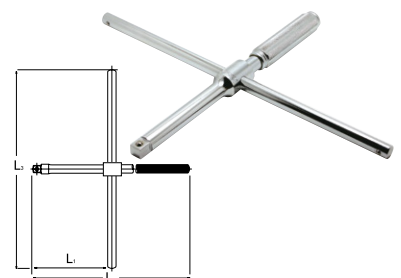
Mod. 4715SL



□ LLAVE EN T

□	L1	L2	L3	⚖	Ref	€
1/2"	140	280	350	945	4711X	63,91

» 4711X

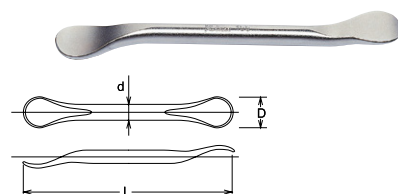


KOKEN IIIIII

LLAVE DE NEUMÁTICOS

» 155

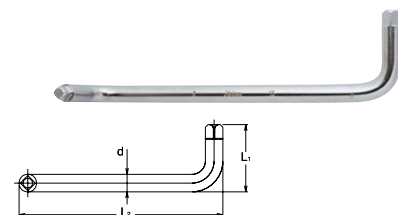
Ref	D	d	L	⚖️	€
155	22	10	170	100	19,47



PARA LUBRICACIÓN

» 158

mm	L1	L2	d	⚖️	Ref	€
8S x 10S	63	230	13	319	158	24,01



MANGO TIPO DESTORNILLADOR

» 2769N-150/-220

Ref	L	⚖️	€
2769N-150	150	68	12,25
2769N-200	220	100	13,33

☑️ = 1/4"



Patentado

MANGO TIPO DESTORNILLADOR

» 3769NWF-160/-230

Ref	L	⚖️	€
3769NWF-160	160	96	12,15
3769NWF-230	230	126	14,32

☑️ = 3/8"



Patentado

HERRAMIENTA DE PALANCA (INTERIOR VEHÍCULOS)

» 169

mm	∅	L	⚖️	Ref	€
6	115	215	80	169-6	19,69
10	120	230	110	169-10	21,09



JUEGO DE HERRAMIENTAS DE PALANCA (INTERIOR VEHÍCULOS)

» 169/2

Ref	🧩	⚖️	€
169/2	2	200	40,80



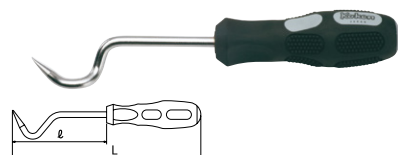
Accesorios

169-6, -10

EXTRACTOR DE MANGUERAS

» 169HR-A

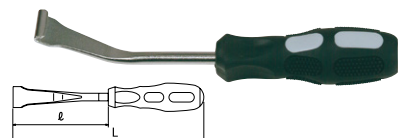
HR	∅	L	⚖️	Ref	€
A	100	200	75	169HR-A	14,38



EXTRACTOR DE BURLETES DE VENTANA

» 169WM

Ref	∅	L	⚖️	€
169WM	100	210	90	35,60



DESTORNILLADOR DE IMPACTO

» 4112G

Ref	L		€
4112G	163	810	42,45

= 1/2"



Patentado

JUEGO DE DESTORNILLADORES DE IMPACTO

»AG112A

Ref				€
AG112A	220x82x60	6	1.150	68,47

Puntas

100P-32	PH2, PH3
100S-32	9, 11

Accesorios

4112G	
4138	



KOKEN IIIIII

JUEGO DE DESTORNILLADORES DE IMPACTO

»AG112H

Ref				€
AG112H	220x82x60	18	1.480	117,12

Puntas

100P-32	PH2, PH3, PH4
100S-32	8, 9, 10, 12, 14
100H-32	5, 6, 8, 10
100T-32	T30, T40, T45, T50

Accesorios

4112G	
4138	



JUEGO DE DESTORNILLADORES DE IMPACTO

»AN112A

Ref				€
AN112A	190x59x45	6	1.070	66,12

Puntas

100P-32	PH2, PH3
100S-32	9, 11

Accesorios

4112G	
4138	



LLAVE DE CARRACA REVERSIBLE PARA PUNTAS DE 1/4"

» 2774P-1/4HF

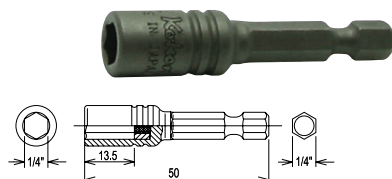
Ref	L	⚖	€
2774P-1/4HF	165	133	93,32



PORTA PUNTA CON IMÁN

» 180M-50

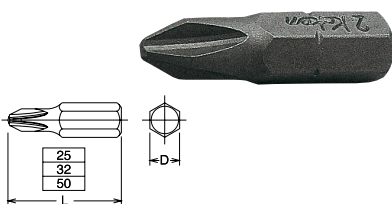
Ref	L	⚖	€
180M-50	50	15	7,59



PUNTAS PHILLIPS

» 108P-25/-32/-50

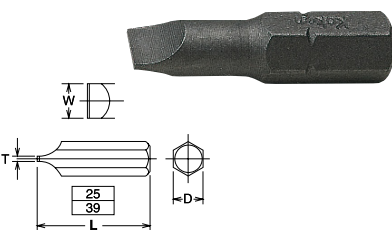
PH	D	⚖			Ref L25	€	Ref L32	€	Ref L50	€
		25	32	50						
PH1	6,35 (1/4")	5	7	10	108P-251	1,95	108P-321	2,08	108P-501	2,64
PH2	6,35 (1/4")	5	7	11	108P-252	1,95	108P-322	2,08	108P-502	2,64
PH3	6,35 (1/4")	6	8	11	108P-253	1,95	108P-323	2,08	108P-503	2,64



PUNTAS RECTAS/PLANAS

» 108S-25/-39

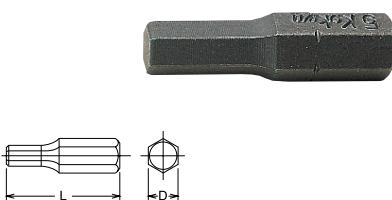
PH	TxW	D	⚖		Ref L25	€	Ref L39	€
			25	39				
3	0,5 x 3	6,35 (1/4")	3	6	108S-253	3,53	108S-393	4,28
4	0,6 x 4	6,35 (1/4")	3	6	108S-254	3,53	108S-394	4,28
4,5	0,6 x 4,5	6,35 (1/4")	4	6	108S-254,5	3,53	108S-394,5	4,28
5	0,8 x 5	6,35 (1/4")	5	7	108S-255	3,53	108S-395	4,28
5,5	0,8 x 5,5	6,35 (1/4")	5	8	108S-255,5	3,53	108S-395,5	4,28
6	1 x 6	6,35 (1/4")	5	9	108S-256	3,53	108S-396	4,28
8	1,2 x 8	6,35 (1/4")	6	12	108S-258	5,02	108S-398	4,77



PUNTAS HEXAGONALES

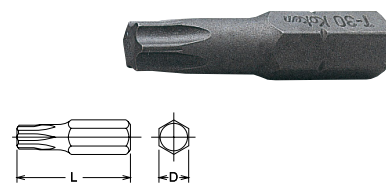
» 108H-25

mm	D	L	⚖	Ref	€
3	6,35 (1/4")	25	4	108H-253	3,27
4	6,35 (1/4")	25	5	108H-254	3,27
5	6,35 (1/4")	25	5	108H-255	3,27
6	6,35 (1/4")	25	6	108H-256	3,27
7	6,35 (1/4")	25	7	108H-257	3,27
8	6,35 (1/4")	25	8	108H-258	3,41
10	6,35 (1/4")	25	11	108H-2510	3,83

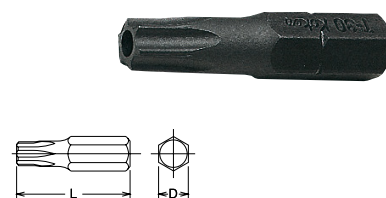


PUNTAS TORX®
>> 108T-25

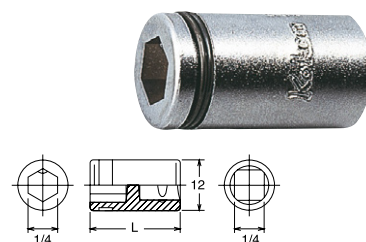
TORX®	D	L	⚖	Ref	€
T8	6,35 (1/4")	25	4	108T-258	5,59
T10	6,35 (1/4")	25	4	108T-2510	5,59
T15	6,35 (1/4")	25	4	108T-2515	5,59
T20	6,35 (1/4")	25	5	108T-2520	5,59
T25	6,35 (1/4")	25	6	108T-2525	5,59
T27	6,35 (1/4")	25	6	108T-2527	5,59
T30	6,35 (1/4")	25	6	108T-2530	5,59


PUNTAS TORX® INVOLABLES
>> 108T-25/TH

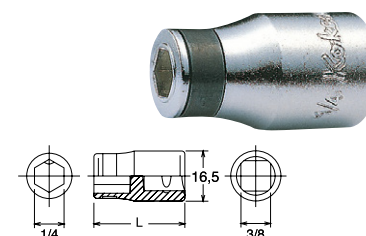
TORX®	D	L	⚖	Ref	€
T10H	6,35 (1/4")	25	4	108TH-2510	5,90
T15H	6,35 (1/4")	25	4	108TH-2515	5,90
T20H	6,35 (1/4")	25	5	108TH-2520	5,90
T25H	6,35 (1/4")	25	6	108TH-2525	5,90
T27H	6,35 (1/4")	25	6	108TH-2527	5,90
T30H	6,35 (1/4")	25	6	108TH-2530	5,90
T40H	6,35 (1/4")	25	6	108TH-2540	5,90


PORTA PUNTA
>> 2137

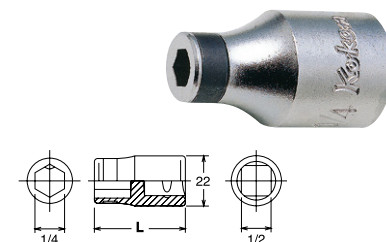
Ref	L	⚖	€
2137	22,5	13	7,19

 $\square = 1/4"$

PORTA PUNTA
>> 3137

Ref	L	⚖	€
3137	30	30	8,53

 $\square = 3/8"$

PORTA PUNTA
>> 4137

Ref	L	⚖	€
4137	38	53	9,26

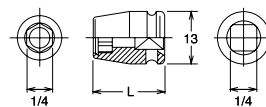
 $\square = 1/2"$


PORTA PUNTA DE IMPACTO

» 12139

Ref	L		€
12139	25	15	11,81

\square = 1/4"

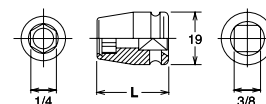


PORTA PUNTA DE IMPACTO

» 13139


Ref	L		€
13139	30	32	12,63

\square = 3/8"

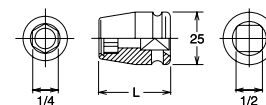


PORTA PUNTA DE IMPACTO

» 14139

Ref	L		€
14139	35	62	14,73

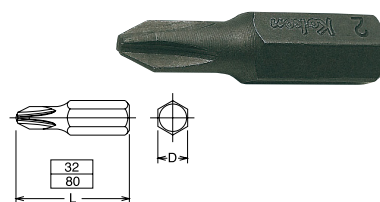
\square = 1/2"



⊕ PUNTAS PHILLIPS

PH	D	⚖		Ref L32	€	Ref L80	€
		32	80				
PH1	8 (5/16")	11	30	100P-321	2,19	100P-801	3,69
PH2	8 (5/16")	11	30	100P-322	2,19	100P-802	3,69
PH3	8 (5/16")	12	31	100P-323	2,19	100P-803	3,69
PH4	8 (5/16")	12	32	100P-324	2,19	100P-804	3,69

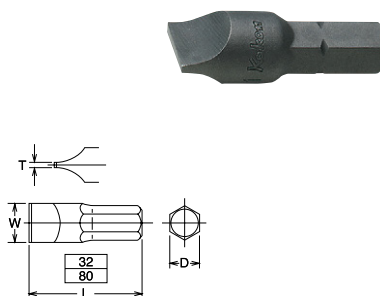
» 100P-32/ -80



⊖ PUNTAS RECTAS/PLANAS

PH	TxW	D	⚖		Ref L32	€	Ref L80	€
			32	80				
6	1 x 6	8 (5/16")	10	29	100S-326	3,09	100S-806	5,90
7	1 x 7	8 (5/16")	11	30	100S-327	3,09	100S-807	5,90
8	1,2 x 8	8 (5/16")	12	31	100S-328	3,09	100S-808	5,90
9	1,6 x 9	8 (5/16")	12	32	100S-329	3,09	100S-809	6,47
10	1,6 x 10	8 (5/16")	13	33	100S-3210	3,83	100S-8010	6,74
11	1,6 x 11	8 (5/16")	15	33	100S-3211	3,83	100S-8011	6,47
12	2 x 12	8 (5/16")	18	34	100S-3212	3,83	100S-8012	6,47
14	2x14	8 (5/16")	21	37	100S-3214	4,28	100S-8014	6,47

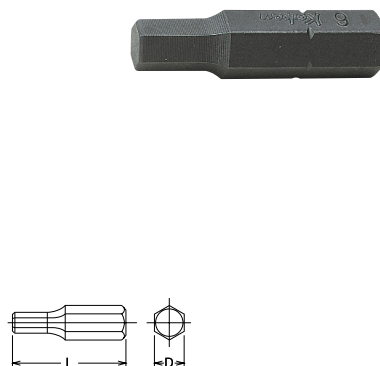
» 100S-32/-80



● PUNTAS HEXAGONALES

mm	D	L	⚖	Ref	€
3	8 (5/16")	32	11	100H-323	3,53
4	8 (5/16")	32	11	100H-324	3,53
5	8 (5/16")	32	12	100H-325	3,53
6	8 (5/16")	32	12	100H-326	3,53
7	8 (5/16")	32	13	100H-327	3,53
8	8 (5/16")	32	13	100H-328	3,53
9	8 (5/16")	32	16	100H-329	5,02
10	8 (5/16")	32	16	100H-3210	5,02
11	8 (5/16")	32	20	100H-3211	5,02
12	8 (5/16")	32	23	100H-3212	5,02
14	8 (5/16")	32	29	100H-3214	5,77

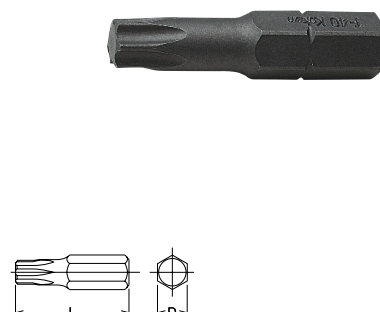
» 100H-32



⊙ PUNTAS TORX®

TORX®	D	L	⚖	Ref	€
T10	8 (5/16")	32	9	100T-3210	6,04
T15	8 (5/16")	32	9	100T-3215	6,04
T20	8 (5/16")	32	9	100T-3220	6,04
T25	8 (5/16")	32	10	100T-3225	6,04
T27	8 (5/16")	32	10	100T-3227	6,04
T30	8 (5/16")	32	11	100T-3230	6,04
T40	8 (5/16")	32	12	100T-3240	6,04
T45	8 (5/16")	32	12	100T-3245	6,04
T50	8 (5/16")	32	12	100T-3250	6,04
T55	8 (5/16")	32	12	100T-3255	6,04

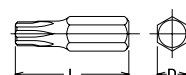
» 100T-32



PUNTAS TORX® INVIOlables

TORX®	D	L	⚖	Ref	€
T10H	8 (5/16")	32	9	100T-3210H	6,79
T15H	8 (5/16")	32	9	100T-3215H	6,79
T20H	8 (5/16")	32	9	100T-3220H	6,79
T25H	8 (5/16")	32	10	100T-3225H	6,79
T27H	8 (5/16")	32	10	100T-3227H	6,79
T30H	8 (5/16")	32	11	100T-3230H	6,79
T40H	8 (5/16")	32	12	100T-3240H	6,79
T45H	8 (5/16")	32	12	100T-3245H	6,79
T50H	8 (5/16")	32	12	100T-3250H	7,25
T55H	8 (5/16")	32	12	100T-3255H	8,16

» 108T-32/TH

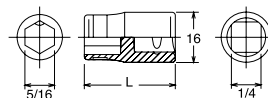


PORTA PUNTA

Ref	L	⚖	€
2138	26	32	7,57

☒ = 1/4"

» 2138

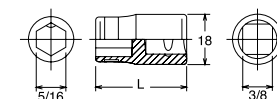


PORTA PUNTA

Ref	L	⚖	€
3138	38	55	8,54

☒ = 3/8"

» 3138

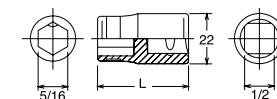


PORTA PUNTA

Ref	L	⚖	€
4138	38	62	8,54

☒ = 1/2"

» 4138

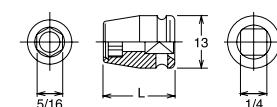


PORTA PUNTA DE IMPACTO

Ref	L	⚖	€
12140	25	15	11,81

☒ = 1/4"

» 12140



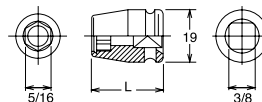
KOKEN IIIIII

PORTA PUNTA DE IMPACTO

» 13140

Ref	L	⚖	€
13140	30	32	12,63

☐ = 3/8"

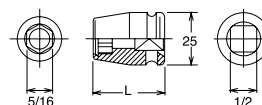


PORTA PUNTA DE IMPACTO

» 14140

Ref	L	⚖	€
14140	38	62	14,73

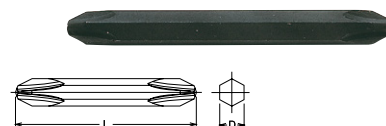
☐ = 1/2"



PUNTAS PHILLIPS

» 131P-80

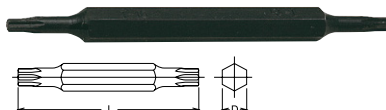
nº	PH	D	L	⚖	Ref	€
1	PH1 x PH2	8 (5/16")	80	28	131P-801	6,32
2	PH2 x PH3	8 (5/16")	80	29	131P-802	6,32
3	PH3 x PH3	8 (5/16")	80	29	131P-803	6,32



PUNTAS TORX®

» 131T-80

TORX®	D	L	⚖	Ref	€
T10 x T15	8 (5/16")	80	27	131T-801015	7,51
T20 x T25	8 (5/16")	80	27	131T-802025	7,51
T27 x T30	8 (5/16")	80	28	131T-802730	7,51

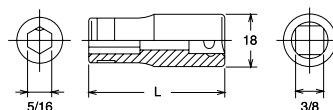


PORTA PUNTA EXTRA LARGO PARA 131P-80, 131T-80

» 3141

Ref	L	⚖	€
3141	48	60	21,24

☐ = 3/8"

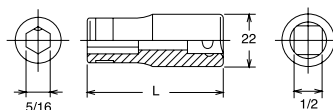


PORTA PUNTA EXTRA LARGO PARA 131P-80, 131T-80

» 4141

Ref	L	⚖	€
4141	52	70	19,31

☐ = 1/2"

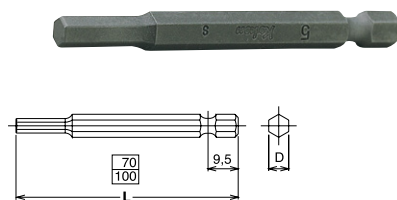


KOKEN IIIIII

PUNTAS HEXAGONALES

mm	D	⚖		Ref L70	€	Ref L100	€
		70	100				
2	6,35 (1/4")	13	22	121H-702	5,57	121H-1002	5,92
2,5	6,35 (1/4")	15	23	121H-70 2,5	5,57	121H-1002,5	5,92
3	6,35 (1/4")	15	23	121H-703	5,57	121H-1003	5,92
4	6,35 (1/4")	15	23	121H-704	5,57	121H-1004	5,92
5	6,35 (1/4")	16	24	121H-705	5,57	121H-1005	5,92
6	6,35 (1/4")	18	26	121H-706	5,57	121H-1006	5,92

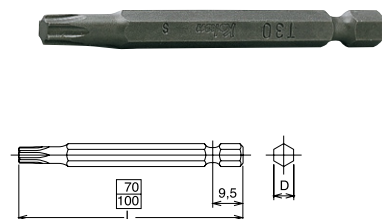
» 121H-70/-100



PUNTAS TORX®

mm	D	⚖		Ref L70	€	Ref L100	€
		70	100				
T20	6,35 (1/4")	16	24	121T-7020	5,80	121T-10020	6,10
T25	6,35 (1/4")	16	24	121T-7025	5,80	121T-10025	6,10
T27	6,35 (1/4")	17	24	121T-7027	5,80	121T-10027	6,10
T30	6,35 (1/4")	17	25	121T-7030	5,80	121T-10030	6,10
T40	6,35 (1/4")	18	26	121T-7040	5,80	121T-10040	6,10

» 121T-70/-100



PORTA PUNTA EXTRA LARGO PARA 131P-80, 131T-80

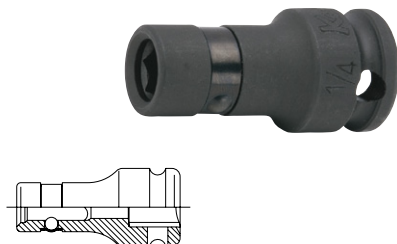
Ref	L	⚖	€
13137E	40	40	16,78

☐ = 3/8"

Válido para puntas:

DIN 3126-C6.3	
DIN 3126-E6.3	
Simétrica	

» 13137E



PORTA PUNTA EXTRA LARGO PARA 131P-80, 131T-80

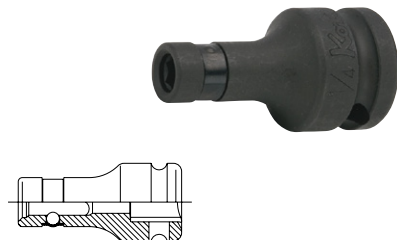
Ref	L	⚖	€
14137E	48	70	18,79

☐ = 3/8"

Válido para puntas:

DIN 3126-C6.3	
DIN 3126-E6.3	
Simétrica	

» 14137E

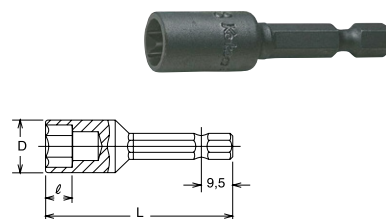


KOKEN IIIIII

○ VASOS PARA APRETAR TUERCAS HEXAGONALES

mm	pulgadas	D	ℓ	L	⚖	Ref Métrica	€	Ref Pulgadas	€
5,5		9	4	50	15	1135,5	5,77		
6	1/4	10	5	50	17	1136	5,77	1131/4	6,17
7		11	5	50	19	1137	5,77		
8	5/16	12	6	50	20	1138	5,77	1135/16	6,17
10	3/8	14,2	7	50	31	11310	6,35	1133/8	6,79
12		17	8	50	39	11312	8,84		
13	1/2	18	8	50	42	11313	9,44	1131/2	8,84
14		19	9	50	46	11314	11,04		

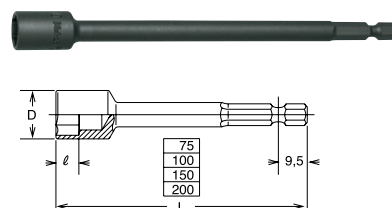
» 113



○ VASOS PARA APRETAR TUERCAS HEXAGONALES

mm	D	ℓ	⚖			Ref	L75	€	L100	€	L150	€	L200	€	
			75	100	150										200
7	11,5	5	31	40	59	78	113	75-7	12,77	100-7	16,43	150-7	19,63	200-7	22,06
8	12,7	6	32	41	60	79	113	75-8	12,77	100-8	16,43	150-8	19,64	200-8	22,06
10	14,5	7	35	45	64	83	113	75-10	13,06	100-10	16,74	150-10	19,97	200-10	22,35
12	17	8	42	52	70	91	113	75-12	13,62	100-12	17,28	150-12	20,53	200-12	23,03
13	18	8	41	51	76	93	113	75-13	13,62	100-13	18,96	150-13	21,69	200-13	24,45
14	19	9	43	53	78	95	113	75-14	16,72	100-14	19,51	150-14	23,49	200-14	25,84

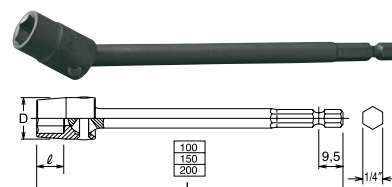
» 113-75/ -100/ -150/ -200



○ VASOS PARA APRETAR TUERCAS HEXAGONALES

mm	D	ℓ	⚖			Ref	L100	€	L150	€	L200	€
			100	150	200							
8	13	7	50	65	57	113UN	100-8	60,74	150-8	60,74	200-8	64,36
10	15	8	53	70	87	113UN	100-10	60,74	150-10	60,74	200-10	64,36
12	17	10	56	77	98	113UN	100-12	60,74	150-12	60,74	200-12	64,36
13	18	10	65	77	98	113UN	100-13	60,74	150-13	60,74	200-13	64,36
14	19,2	10	60	75	99	113UN	100-14	60,74	150-14	60,74	200-14	64,36

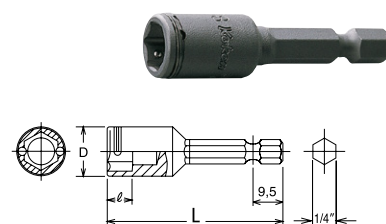
» 113-UN/ -100/ -150/ -200



○ VASOS PARA APRETAR TUERCAS CON SUJETA-TUERCAS

mm	D	ℓ	L	⚖	Ref	€
7	11	5	50	20	113-502B7	10,94
8	12	6	50	21	113-502B8	10,94
10	14,2	7	50	26	113-502B10	10,94
13	18	8	50	31	113-502B13	17,88

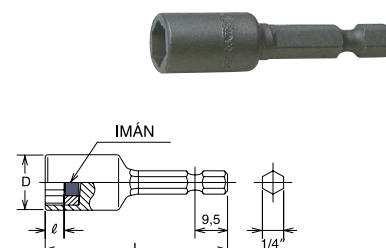
» 113-50(2B)



○ VASOS PARA APRETAR TUERCAS HEXAGONALES

mm	pulgadas	D	ℓ	L	⚖	Ref Métrica	€	Ref Pulgadas	€
5,5		9	2,1	50	15	1155,5	8,26		
6		10	2,4	50	17	1156	8,26		
	1/4	10	1,8	50	17			1151/4	8,71
7		11	2,8	50	19	1157	8,26		
8	5/16	12	3,5	50	20	1158	8,26	1155/16	8,71
10	3/8	14	4,2	50	29	11510	9,42	1153/8	9,88
12		17	5,6	50	40	11512	12,81		
13	1/2	18	6	50	50	11513	13,56	1151/2	9,88
14		19	6,4	50	60	11514	18,51		

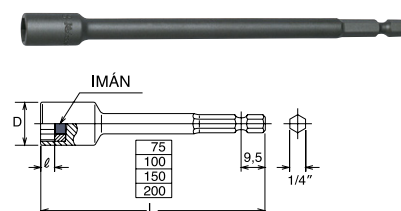
» 115



VASOS PARA APRETAR TUERCAS HEXAGONALES

mm	D	ℓ	🔗				Ref	L70	€	L100	€	L150	€	L200	€
			75	100	150	200									
7	11,5	2,8	32	41	60	79	115 75-7	14,88	100-7	18,51	150-7	21,52	200-7	24,15	
8	12,7	3,5	33	42	61	80	115 75-8	14,88	100-8	18,51	150-8	21,78	200-8	24,15	
10	14,5	4,2	38	50	68	88	115 75-10	15,75	100-10	19,10	150-10	22,35	200-10	24,71	
12	17	5,6	46	58	77	97	115 75-12	17,18	100-12	20,53	150-12	23,61	200-12	25,99	
13	18	6	49	62	82	102	115 75-13	19,84	100-13	23,32	150-13	26,28	200-13	28,79	
14	19	6,4	52	65	85	105	115 75-14	22,65	100-14	26,28	150-14	29,65	200-14	32,03	

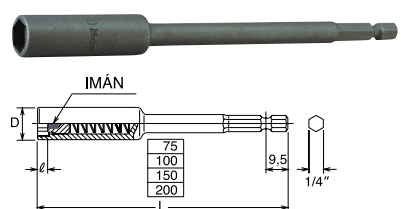
» 115-75/-100/-150/-200



VASOS PARA APRETAR TUERCAS HEXAGONALES

mm	D	ℓ	🔗				Ref	L75	€	L100	€	L150	€	L200	€
			75	100	150	200									
7	11,5	3,5	34	51	67	86	115G 75-7	27,12	100-7	30,92	150-7	34,43	200-7	36,92	
8	12,7	3,5	41	51	70	89	115G 75-8	27,12	100-8	30,92	150-8	34,43	200-8	36,92	
10	14,5	4,2	48	57	77	96	115G 75-10	28,09	100-10	31,90	150-10	35,23	200-10	37,94	
12	17	5,6	65	77	95	119	115G 75-12	29,65	100-12	31,90	150-12	36,82	200-12	37,94	
13	18	6	70	80	100	125	115G 75-13	32,74	100-13	36,32	150-13	38,34	200-13	39,84	
14	19	6,4	73	82	105	128	115G 75-14	33,74	100-14	37,35	150-14	41,31	200-14	43,57	

» 115G-75/-100/-150/-200

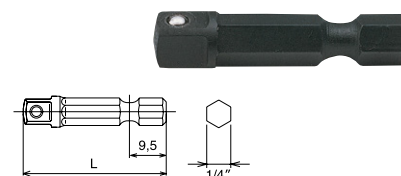


ADAPTADORES CON BOLA

Ref	L	🔗	€
110-35B	35	9	7,80
110-50B	50	15	9,00
110-100B	100	34	9,59
110-150B	150	54	11,21

■ 1/4" ○ 1/4"

» 110-35B/-50B/-100B/-150B

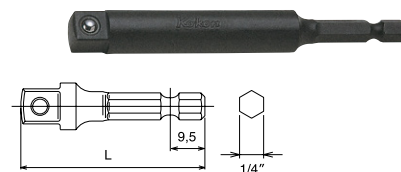


ADAPTADORES CON BOLA

Ref	L	🔗	€
112-50B	50	22	10,60
112-100B	100	71	11,71
112-150B	150	121	13,23

■ 3/8" ○ 1/4"

» 112-50B/-100B/-150B

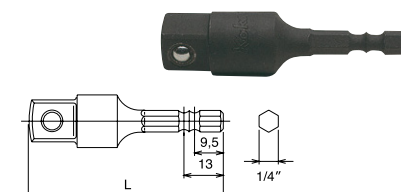


ADAPTADORES CON BOLA

Ref	L	🔗	€
135E-60B	60	46	12,86

■ 1/2" ○ 1/4"

» 135E-60B

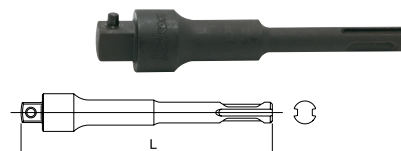


ADAPTADORES PARA TALADRO DE PERCUSIÓN

Ref	L	🔗	€
BD022-120P-3/8	120	100	25,28
BD022-120P-1/2	120	160	25,28

■ 3/8" ○ 1/2"

» BD022-120P

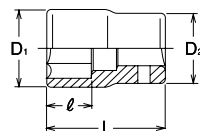


KOKEN IIIIII

○ VASOS HEXAGONALES

» 22400M

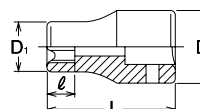
mm	D1	D2	ℓ	L	⚖	Ref	€
6	9,2	11,2	5,5	22	9	22400M6	2,92
7	10,3	11,2	6	22	9	22400M7	2,92
8	11,2	11,7	6,9	22	11	22400M8	2,92
10	14,3	12,9	7,7	22	15	22400M10	3,04
12	16,8	15,5	9,3	22	23	22400M12	3,41
13	18	16,4	9,8	22	23	22400M13	3,78



⊕ VASOS TORX®

» 22425

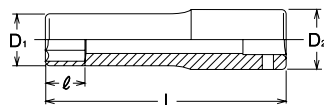
TORX®	D1	D2	ℓ	L	⚖	Ref	€
E 4	5,4	11,2	4,6	22	7	22425E4	4,67
E 5	6,7	11,2	5,2	22	8	22425E5	4,67
E 6	7,7	11,2	5,4	22	8	22425E6	4,67
E 7	8,3	11,2	6,6	22	9	22425E7	4,67
E 8	9,6	11,2	7,0	22	9	22425E8	4,67
E10	11,3	11,2	8,4	22	10	22425E10	4,67



○ VASOS PARA APRETAR TUERCAS HEXAGONALES

» 22300M » 22300A

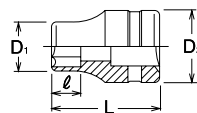
mm	pulgadas	D1	D2	ℓ	L	⚖	Ref Métrica	€	Ref Pulgadas	€
	1/4	9,8	11,2	7	50	24			22300A1/4	8,68
7		10,3	11,2	8	50	24	22300M7	6,54		
8	5/16	11,2	11,7	9	50	28	22300M8	6,54	22300A5/16	9,58
10	3/8	14,3	12,9	11	50	33	22300M10	6,54	22300A3/8	9,58
12		16,8	15,5	13	50	50	22300M12	9,96		
13		18,0	16,4	14	50	50	22300M13	10,85		



○ VASOS HEXAGONALES

mm	pulgadas	D1	D2	ℓ	L	⚖	Ref Métrica	€	Ref Pulgadas	€
6		9,9	17,3	6	26	20	23400M6	5,25		
7		10,8	17,3	6,5	26	20	23400M7	5,25		
8	5/16	12	17,3	6,9	26	22	23400M8	5,25	23400A5/16	5,52
	3/8	13,9	17,3	8	26	22			23400A3/8	5,52
10		14,5	17,3	8	26	24	23400M10	5,25		
11	7/16	15,8	17,3	9,3	26	25	23400M11	5,25	23400A7/16	5,52
12		16,8	17,3	9	26	25	23400M12	5,25		
13	1/2	18	17	9,4	26	24	23400M13	5,81	23400A1/2	5,52
14	9/16	19,5	18,5	11	27	31	23400M14	5,81	23400A9/16	5,52
15		21	19,5	11,5	28	39	23400M15	5,81		
16		22	20	12	28	42	23400M16	5,81		
17		23,5	21,5	12,5	29	51	23400M17	5,81		
18	11/16	24,6	22,5	13	30	51	23400M18	5,81	23400A11/16	5,52
19	3/4	26	23,5	13,5	30	53	23400M19	5,81	23400A3/4	5,52
21		28	26	14,5	32	77	23400M21	8,30		

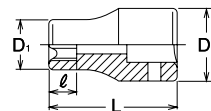
» 23400M » 23400A



⊕ VASOS TORX®

TORX®	D1	D2	ℓ	L	⚖	Ref	€
E 5	7	17,3	5,2	26	20	23425E5	6,39
E 6	8,3	17,3	5,4	26	21	23425E6	6,26
E 7	8,9	17,3	6,6	26	22	23425E7	6,26
E 8	9,9	17,3	7	26	23	23425E8	6,26
E 10	12	17,3	8,2	26	24	23425E10	6,26
E 11	13,3	17,3	8,7	26	25	23425E11	6,26
E 12	14,5	17,3	9,3	26	26	23425E12	6,26
E 14	15,8	17,3	10,6	26	27	23425E14	6,26
E 16	18	17	11,8	26	27	23425E16	6,54

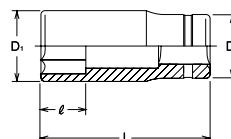
» 23425



○ VASOS HEXAGONALES LARGOS

mm	pulgadas	D1	D2	ℓ	L	⚖	Ref Métrica	€	Ref Pulgadas	€
7		10,6	17,4	8	55	40	23300M7	9,16		
8	5/16	12	17,4	9	55	45	23300M8	9,16	23300A5/16	8,18
	3/8								23300A3/8	8,33
10		14,5	17,4	11	55	52	23300M10	9,16		
11	7/16	16	17,2	12	55	55	23300M11	9,16	23300A7/16	11,08
12		16,8	17,2	13	55	58	23300M12	9,16		
13	1/2	18	17	14	55	57	23300M13	12,08	23300A1/2	11,96
14	9/16	20	18	16	55	68	23300M14	12,08	23300A9/16	11,96
15		21	20	16	55	78	23300M15	12,08		
16		22	20	17	55	79	23300M16	12,08		
17		23,5	22	18	55	96	23300M17	12,08		
18	11/16	24,5	23	19	55	96	23300M18	14,04	23300A11/16	13,91
19	3/4	25	24	20	55	102	23300M19	14,04	23300A3/4	13,91

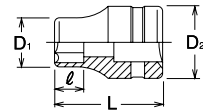
» 23300M » 23300A



○ VASOS HEXAGONALES

» 24400M » 24400A

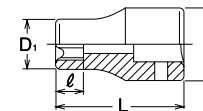
mm	pulgadas	D1	D2	ℓ	L	⚖	Ref Métrica	€	Ref Pulgadas	€
10		15,3	21	9	37	45	24400M10	6,26		
11	7/16	16,5	21	9,5	37	46	24400M11	6,26	24400A7/16	6,97
12		17,8	21	10	37	47	24400M12	6,26		
13	1/2	19	22	10,5	37	53	24400M13	6,26	24400A1/2	6,97
14	9/16	20,3	22	11	37	56	24400M14	6,56	24400A9/16	6,97
15		21,5	22	11,5	37	52	24400M15	6,56		
16	5/8	22,8	22	12	37	62	24400M16	6,56	24400A5/8	6,97
17		24,1	23	12,5	37	69	24400M17	6,56		
18		25,1	24	13	37	74	24400M18	6,56		
19	3/4	26,6	25	14	38	89	24400M19	6,56	24400A3/4	6,97
20		27,9	26	15	38	92	24400M20	7,40		
21		29,1	27	15,5	38	102	24400M21	7,40		
22		30,1	28	16	40	113	24400M22	7,40		
23		31,5	29	16,5	40	128	24400M23	7,84		
24	15/16	32,9	30	17	42	140	24400M24	7,84	24400A15/16	8,15
26		35	32	19	42	165	24400M26	10,09		
27		36,5	33	19,5	43	196	24400M27	10,09		
29		39	35	20,5	43	190	24400M29	11,06		
30		40	36	22	46	222	24400M30	11,66		
32		42,8	38	23	46	250	24400M32	13,19		



○ VASOS TORX®

» 24425

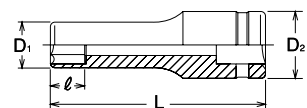
TORX®	D1	D2	ℓ	L	⚖	Ref	€
E 10	13,2	21	8,2	36	68	24425E10	7,44
E 12	14,6	21	9,3	37	70	24425E12	7,44
E 14	16,5	21	10,6	37	75	24425E14	7,44
E 16	19	21,9	11,8	37	80	24425E16	7,44
E 18	20,3	21,9	13	37	83	24425E18	7,44
E 20	22,9	22	14,4	37	121	24425E20	8,16



○ VASOS HEXAGONALES LARGOS

» 24300M » 24300A

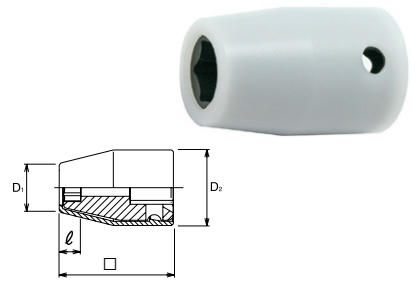
mm	pulgadas	D1	D2	ℓ	L	⚖	Ref Métrica	€	Ref Pulgadas	€
10		15,3	21	11	77	91	24300M10	13,25		
11	7/16	16,5	21	12	77	95	24300M11	13,68	24300A7/16	13,66
12		17,8	21	13	77	99	24300M12	13,25		
13	1/2	19	21,8	14	77	107	24300M13	13,25	24300A1/2	13,66
14	9/16	20,3	21,8	16	77	118	24300M14	13,25	24300A9/16	13,66
15		21,5	21,8	16	77	123	24300M15	13,25		
16	5/8	22,8	22	17	77	141	24300M16	13,25	24300A5/8	13,66
17	21/32	24	23	18	77	150	24300M17	13,25		
18	11/16	25	24	19	77	164	24300M18	14,39		
19	3/4	26,5	25	20	77	177	24300M19	14,39	24300A3/4	15,10
20		27,8	26	21	77	178	24300M20	14,39		
21	13/16	29	27	23	77	187	24300M21	16,74	24300A13/16	17,44
22		30	28	27	77	202	24300M22	16,74		
24	15/16	32,8	30	27	77	252	24300M24	18,46	24300A15/16	19,32
27		36,5	33	28	77	303	24300M27	18,46		
30		40	36	34	77	342	24300M30	20,92		
32		42,8	38	34	77	405	24300M32	22,53		



○ VASOS CON PROTECTOR DE PLÁSTICO

mm	D1	D2	ℓ	L	⚖	Ref	€
8	15,7	22	6	33,3	40	13400M8FR	42,35
10	18,2	22	7	33,3	40	13400M10FR	42,35
12	20,8	22	9	33,3	43	13400M12FR	42,35
13	21,8	25	10	33,3	56	13400M13FR	48,43
14	23,6	25	10	33,3	56	13400M14FR	48,43
16	26,1	25	11	33,3	57	13400M16FR	48,43
17	27,3	25	12	33,3	60	13400M17FR	48,43

» 13400M-RF



ALARGADERAS CON PROTECTOR PLÁSTICO

Ref	L	⚖	€
13760-125P.FR	125	145	127,96
13760-250P.FR	250	220	167,24

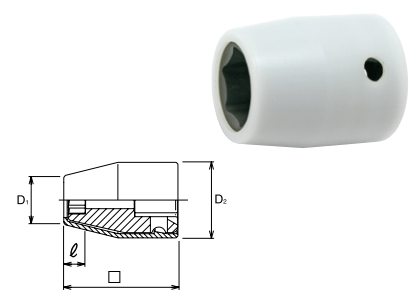
» 13760FR



○ VASOS CON PROTECTOR DE PLÁSTICO

mm	D1	D2	ℓ	L	⚖	Ref	€
10	19,5	28	7	39,3	90	14400M10FR	48,41
12	22	28	9	39,3	90	14400M12FR	48,41
13	23,2	28	10	39,3	90	14400M13FR	48,41
14	24,8	28	11	39,3	90	14400M14FR	48,41
16	27	33	10	39,3	135	14400M16FR	49,30
17	28,2	33	12	39,3	135	14400M17FR	49,30
19	31	33	13	39,3	130	14400M19FR	49,30

» 14400M-RF



ALARGADERAS CON PROTECTOR PLÁSTICO

Ref	L	⚖	€
14760-125P.FR	125	280	143,66
14760-250P.FR	250	480	169,65

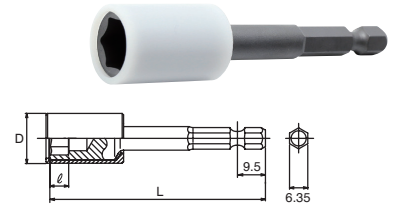
» 14760FR



○ VASOS CON PROTECTOR DE PLÁSTICO

» 113-75SV/-100SV/-150SV

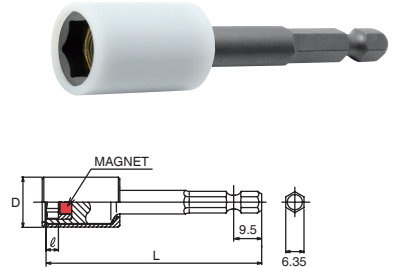
mm	D	ℓ	⚖			Ref	L75	€	L100	€	L150	€
			75	100	150							
8	15,1	6	34	43	62	113	75-8SV	24,48	100-8SV	26,78	150-8SV	29,14
10	16,9	7	37	47	66	113	75-10SV	24,66	100-10SV	26,93	150-10SV	29,37
12	19,4	8	44	54	72	113	75-12SV	25,10	100-12SV	27,76	150-12SV	29,81
13	20,4	8	45	55	80	113	75-13SV	26,01	100-13SV	28,77	150-13SV	31,09



○ VASOS CON PROTECTOR DE PLÁSTICO

» 115-75SV/-100SV/-150SV

mm	D	ℓ	⚖			Ref	L75	€	L100	€	L150	€
			75	100	150							
8	15,1	3,5	35	44	63	115	75-8SV	25,93	1008SV	28,31	1508SV	30,79
10	16,9	4,2	40	52	70	115	75-10SV	26,04	10010SV	29,22	15010SV	31,71
12	19,4	5,6	48	60	79	115	75-12SV	26,78	10012SV	29,99	15012SV	32,55
13	20,4	6	54	67	87	115	75-13SV	29,18	10013SV	31,94	15013SV	34,42



KOKEN IIIIII

○ VASOS CON PROTECTOR DE PLÁSTICO

» 115G-100FR/-150FR/-200FR

mm	D	ℓ	⚖			Ref	L100	€	L150	€	L200	€
			100	150	200							
8	15,1	4	55	75	90	115G	1008FR	62,05	1508FR	67,36	2008FR	88,21
10	16,9	4,5	60	80	100	115G	10010FR	62,62	15010FR	67,81	20010FR	88,70
12	19,3	6	80	100	125	115G	10012FR	64,52	15012FR	68,55	20012FR	89,55
13	20,4	6,5	85	110	135	115G	10013FR	68,23	15013FR	73,90	20013FR	95,43

