

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06

Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16

Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13

Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

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LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

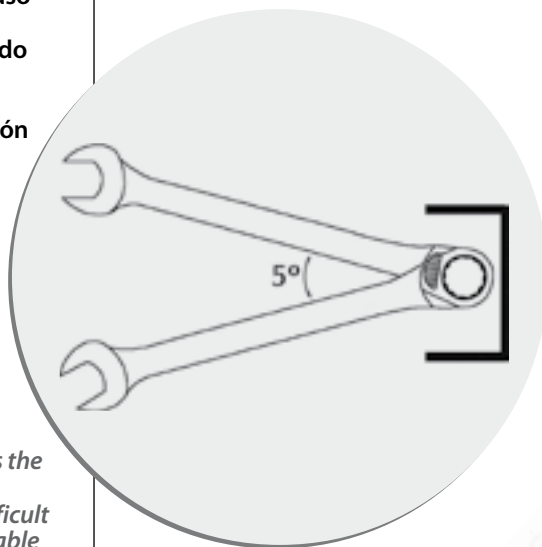


LLAVE COMBINADA REVERSIBLE MASTERGEAR REVERSIBLE MASTERGEAR COMBINATION WRENCH CLÉS MIXTES REVERSIBLES MASTERGEAR

El diseño exclusivo de las llaves **MASTERGEAR** provee al profesional más exigente de una llave multiuso para el apriete en los lugares de más difícil acceso y con un cómodo sistema de carraca. Fabricadas en cromo-vanadio, soportan ampliamente los valores de torsión de los estándares de calidad más exigentes. Su carraca de 72 dientes junto con el diseño especial de su cabeza posibilita aprietes en las posiciones más complicadas, necesitando únicamente 5° para ello. Reversibles, Stubby, E-Torx... todo lo necesario para el profesional.

The exclusive design of the MASTERGEAR wrenches, provides the demanding professional with an all-in-one wrench for the most difficult access tightening, with a comfortable ratchet system. Made in chrome vanadium, they easily stand the most restrictive quality standards for torque. Their 72 teeth gear together with the ratchet head design enables tightening in the narrowest places, with only 5° required for such purpose. Reversible, Stubby, E-Torx... all that the demanding professional may need.

La concepción exclusiva de la clé **MASTERGEAR** fournit au professionnel le plus exigeant une clé multi-usages pour le serrage dans des lieux exigus, avec un système de cliquet. Fabriquées en chrome vanadium, elles supportent amplement les valeurs de torsion que requièrent les standards de qualité les plus exigeants. Son cliquet de 72 dents, combiné à un dessin spécifique de la tête, permet des serrages dans les positions les plus complexes, requérant uniquement 5° pour agir. Réversibles, Stubby, E-Torx... tout l'indispensable pour le professionnel.



Nuestro objetivo de fabricar herramientas más eficientes y fáciles de usar nos ha llevado a diseñar la palanca de cambio HALF-MOON para las llaves combinadas reversibles **MASTERGEAR**, que evita cambios indeseados y repentinos de dirección de giro durante el uso. Asimismo, está diseñada para evitar el reemplazo prematuro por rotura de palanca, al encontrarse ésta protegida y sin sobresalir del cuerpo de la llave.

Our aim to make more easy-to-be-used and more efficient items, led us to design the newest HALF-MOON switch for the MASTERGEAR Reversible Combination Wrenches, which avoids unwanted or unconscious switch reversing as well as premature damage of the switch. Besides, this switch is designed to avoid the early need to replace it because of breakage, as this switch is protected by the body of the wrench.

Notre objectif de fabriquer des outils plus performants et plus faciles d'usage, nous a amené à dessiner le bouton de changement de sens de la clé à cliquet réversible **MASTERGEAR**, en forme de demi-lune, ce qui a pour effet d'éviter des changements de sens indésirables et soudain durant l'utilisation. De même, sa conception permet d'éviter des remplacements prématurés de la clé pour cause de rupture du levier, le bouton étant protégé car ne ressortant pas trop du corps de l'outil.

Su innovador diseño de estrella permite apretar múltiples y diferentes cabezas de tornillo, tales como Spline, 6 lados, 12 lados, E-torx y Cuadrados, incluso en cabezas redondeadas hasta en un 50 % por el desgaste.

Its innovative box drive allows to tighten multiple nut heads such as Spline, 6-point, 12 point, Square and E-torx, as well as with 50% rounded off nuts.

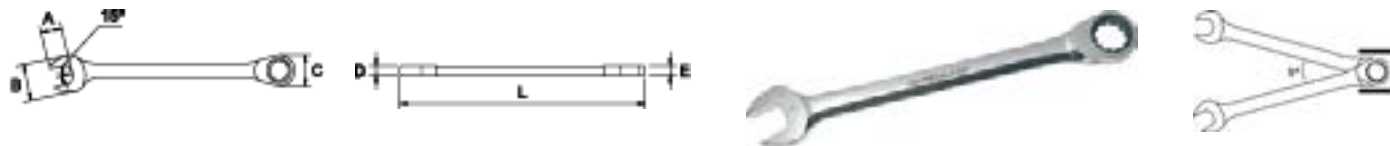
Son dessin innovateur en étoile, permet de serrer de multiples et différentes têtes de vissage, telles que Spline, 6 pans, 12 pans, E-Torx et carrées, y compris des têtes arrondies à 50% par usure.



MASTERGEAR

LLAVE COMBINADA DE CARRACA MASTERGEAR / MASTERGEAR COMBINATION RATCHET WRENCH / CLÉ MIXTE A CLIQUET MASTERGEAR / RATSCHEN-RINGGABELSCHLÜSSEL / CHIAVE COMBINATA A CRICCO MASTERGEAR / CHAVE DE BOCA E LUNETA COM ROQUETE MASTERGEAR / КЛЮЧ ТРЕЩЕТОЧНЫЙ КОМБИНИРОВАННЫЙ MASTERGEAR

MM



COD.	L (mm)	AP mm	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
62651	145	8	9,5	17	18	4,7	7,4	50	10	I
62652	150	9	10	18	19	5,3		55		
62653	160	10	11	22	21	5,7		60		
62654	165	11	12	23	22	6,1		80		
62655	175	12	13	25	23	6,4		90		
62656	180	13	15	26	25	6,6		100		
62657	190	14	16	29	26	7,3		120		
62658	200	15	17	31	28	7,5		130		
62659	210	16	18	33	29	7,7	10,0	150		
62660	230	17	20	36	30	7,9		180		
62661	240	18		38	32	8,4	11,5	200	5	A
62662	250	19	21	39	34	8,7		240		
62663	270	21	24	43	38	9,5	12,5	310		
62664	280	22	25	46	41	10,0		340		
62665	300	24	26	48	45	11,0	13,5	450		
62677	340	27	31	55	48	13,0	14,5	600		
62678	370	30	35	62	55	14,0		800		
62679	400	32	37	64	60	15,0	17,0	950		

DIN 1711 | Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

INCH

COD.	L (mm)	AP inch	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
62666	145	5/16	9,0	17	18	4,7	7,4	50	10	I
62667	160	3/8		22	21	5,7		60		
62668	165	7/16	12	23	22	6,1		80		
62669	180	1/2	14	26	25	6,6		100		
62670	190	9/16	16	29	26	7,3		120		
62671	210	5/8	18	33	29	7,7	10,0	150		
62672	230	11/16	20	36	30	7,9		180		
62673	250	3/4	22	39	34	8,7	11,5	240		
62674	270	13/16	23	43	38	9,5	12,5	310		
62675	280	7/8	26	46	41	10,0		340		
62676	300	15/16	27	48	45	11,0	13,5	450	5	

DIN 1711 | Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

SET

MM

COD.		PCS.	
69864	A	10	1000
69865		6	800
Composición / Composition / Composition			
62651, 62653, 62655, 62656, 62660, 62662		8-10-12-13-17-19 mm	



MM

COD.		PCS.	
69868	A	16	2000
69869		12	1800
Composición / Composition / Composition			
62651, 62652, 62653, 62654, 62655, 62656, 62657, 62658, 62659, 62660, 62661, 62662		8-9-10-11-12-13-14-15-16-17-18-19 mm	



INCH

COD.		PCS.	
51453	A	10	1000
51454		6	800
Composición / Composition / Composition			
62666, 62667, 62668, 62669, 62672, 62673		5/16"-3/8"-7/16"-1/2"-11/16"-3/4"	



SET DEMO-BLOCK

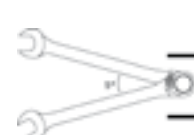
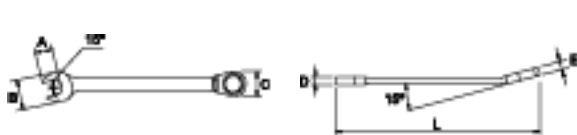
COD.		
64502	13	300



MASTERGEAR REV.

LLAVE COMBINADA DE CARRACA REVERSIBLE MASTERGEAR / REVERSIBLE MASTERGEAR COMBINATION RATCHET WRENCH / CLÉ MIXTE A CLIQUET RÉVERSIBLE MASTERGEAR / UMKEHRBARE RATSCHEN-GABELSCHLÜSSEL / CHIAVE COMBINATA A CRICCO REVERSIBILE MASTERGEAR / CHAVE DE BOCA E LUNETA DE ROQUETE REVERSIVEL MASTERGEAR / КЛЮЧ РЕВЕРСИВНЫЙ ТРЕЩЕТОЧНЫЙ КОМБИНИРОВАННЫЙ MASTERGEAR

MM



COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)			
62680	145	8	9,5	17	18	4,7	7,4	50	10	I
62681	150	9	10	19	19	5,3		55		
62682	160	10	11	22	21	5,7		60		
62683	165	11	12	23	22	6,1	8,4	80		
62684	175	12	13	25	23	6,4		90		
62685	180	13	15	26	25	6,6		100		
62686	190	14	16	29	26	7,3		120		
62687	200	15	17	31	28	7,5		130		

A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)			
62688	210	16	18	33	29	7,7	10,0	150	10	I A
62689	230	17	20	36	30	7,9		180		
62690	240	18	21	38	32	8,4	11,5	200		
62691	250	19		39	34	8,7		240		
62692	270	21	24	43	38	9,5	12,5	310	5	
62693	280	22	25	46	41	10,0		340		
62694	300	24	26	48	45	11,0	13,5	450		

DIN 1711 I Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

Reversible / Reversible / Réversible

INCH

COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)			
62695	145	5/16	9,0	17	18	4,7	7,4	50	10	I A
62696	160	3/8	12	22	21	5,7		60		
62697	165	7/16		23	22	6,1	8,4	80		
62698	180	1/2	14	26	25	6,6		100		
62699	190	9/16	16	29	26	7,3		120	5	
62700	210	5/8	18	33	29	7,7	10,0	150		
62701	230	11/16	20	36	30	7,9		180		
62702	250	3/4	22	39	34	8,7	11,5	240		
62703	270	13/16	23	43	38	9,5	12,5	310		
62704	280	7/8	26	46	41	10,0	13,5	340		
62705	300	15/16	27	48	45	11,0		450		

DIN 1711 I Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

Reversible / Reversible / Réversible

SET

MM

COD.	PCS.	
69866	10	1000
69867	6	800

Composición / Composition / Composition		
62680, 62682, 62684, 62685, 62689, 62691	8-10-12-13-17-19 mm	



MM

COD.	PCS.	
69870	16	2000
69871	12	1800

Composición / Composition / Composition		
62680, 62681, 62682, 62683, 62684, 62685, 62686, 62687, 62688, 62689, 62690, 62691	8-9-10-12-13-14-15-16-17-18-19 mm	



A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

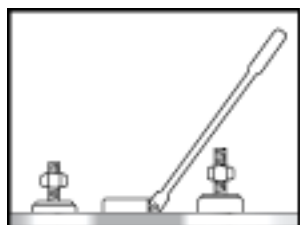
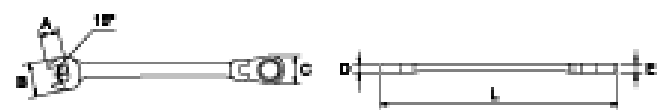
INCH

COD.		PCS.	
51455	A	10	1000
51456		6	800
Composición / Composition / Composition			
62695, 62696, 62697, 62698, 62701, 62702		5/16"- 3/8"- 7/16"- 1/2"- 11/16"- 3/4"	



MASTERGEAR ARTICULADA / MASTERGEAR JOINT / MASTERGEAR ARTICULÉE / RATSCHEN-RINGGABELSCHLÜSSEL MIT VERSTELLBAREM KOPF / MASTERGEAR SNODATA / MASTERGEAR ARTICULADA / MASTERGEAR ШАРНИР

MM



COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)			
61530	145	8	9,5	17	18	4,7	7,4	60	10	I
61531	150	9	10	19	19	5,3		65		
61532	155	10	11	22	21	5,7		70		
61533	165	11	12	23	22	6,1		90		
61534	170	12	13	25	23	6,4		95		
61535	180	13	15	26	25	6,6		110		
61536	190	14	16	29	26	7,3		120		
61537	200	15	17	31	28	7,5		140		
61538	210	16	18	33	29	7,7	10,0	160		
61539	230	17	20	36	30	7,9		190		
61540	240	18		38	32	8,4		210	5	A
61541	250	19	21	39	34	8,7	11,5	240		
61542	270	21	24	43	38	9,5	12,5	250		
61543	280	22	25	46	41	10,0	13,5	350		
61544	300	24	26	48	45	11,0		460		

DIN 1711 | Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

INCH

COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)			
61545	145	5/16	9,0	17	18	4,7	7,4	60	10	I
61546	155	3/8		22	21	5,7		70		
61547	165	7/16	12	23	22	6,1		90		
61548	180	1/2	14	26	25	6,6		110		
61549	190	9/16	16	29	26	7,3		130		
61550	210	5/8	18	33	29	7,7	10,0	170		

A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)			
61551	230	11/16	20	36	30	7,9	10,0	190	10	I
61552	250	3/4	22	39	34	8,7	11,5	250		
61553	270	13/16	23	43	38	9,5	12,5	320		
61554	280	7/8	26	46	41	10,0	13,5	350	5	
61555	300	15/16	27	48	45	11,0		460		

DIN 1711 I Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

SET

MM

COD.	PCS.		COD. PCS.	(mm)
69105	6	90080	61530, 61532, 61534, 61535, 61539, 61541	8-10-12-13-17-19
69106	8	90081	61530, 61532, 61534, 61535, 61536, 61539, 61541, 61543	8-10-12-13-14-17-19-22
69107	10	90054	61530, 61531, 61532, 61533, 61534, 61535, 61536, 61539, 61541, 61543	8-9-10-11-12-13-14-17-19-22



INCH

COD.	PCS.		COD. PCS.	(inch)
69101	6	90080	61546, 61547, 61548, 61549, 61550, 61552	3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 3/4
69102	8	90081	61545, 61546, 61547, 61548, 61549, 61550, 61551, 61552	5/16 - 3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4
69103	10	90054	61546, 61547, 61548, 61549, 61550, 61551, 61552, 61553, 61554, 61555	3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4 - 13/16 - 7/8 - 15/16

MM

COD.	PCS.	
68525	10	1000
68526	6	800

Composición / Composition / Composition

61530, 61532, 61534, 61535, 61539, 61541

8-10-12-13-17-19 mm



MM

COD.	PCS.	
68527	16	2000
68528	12	1800

Composición / Composition / Composition

61530, 61531, 61532, 61533, 61534, 61535, 61536, 61537, 61538, 61539, 61540, 61541

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

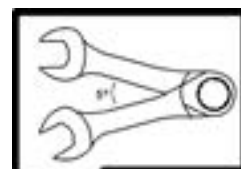
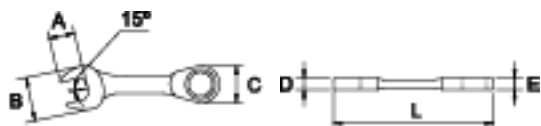


A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucido / Cromado polido / Полированный хром

■ MASTERGEAR STUBBY

■ LLAVE COMBINADA DE CARRACA SERIE CORTA / *STUBBY MASTERGEAR COMBINATION RATCHET WRENCH* / CLÉ MIXTE À CLIQUET COURTE MASTERGEAR / *RATSCHEN-RINGGABELSCHLÜSSEL STUBBY* / CHIAVE COMBINATA A CRICCO SERIE CORTA MASTERGEAR / CHAVE DE BOCA E LUNETAS ROQUETE SERIE CURTA MASTERGEAR / КЛЮЧ КОРОТКИЙ ТРЕЩЕТОЧНЫЙ КОМБИНИРОВАННЫЙ MASTERGEAR

■ MM



COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)				
62710	90	8	9,5	17	17	4,0	7,4	29	10	I	A
62711		9	10	19	19			36			
62712	100	10	11	21	22	4,5	44				
62713	105	11	12	22	23	5,0	60				
62714		12	13	23	25	5,5	8,4	70			
62715	110	13	15	25	26	6,0					
62716	115	14	16	26	30		7,0	105			
62717	120	15	17	28	31	10,0					
62718		16	18	29	33		11,4	140			
62719	130	17	20	30	36	8,0					
62720	135	18	21	32	38		39				
62721		19	34								

DIN 1711 I Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

■ INCH

COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)				
62722	90	5/16	9,0	17	17	4,0	7,4	29	10	I	A
62723	100	3/8	12	21	22	4,5		44			
62724	105	7/16		22	23	5,0		60			
62725	110	1/2	14	25	26		8,4	70			
62726	115	9/16	16	26	30	6,0		80			
62727	120	5/8	17	29	33			105			
62728	130	11/16	20	30	36	7,0	10,0	120			
62729	135	3/4	22	34	39	8,0	11,4	160			

DIN 1711 I Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

■ SET

■ MM

COD.		PCS.	
69872	A	14	1300
69873		10	1100

Composición / Composition / Composition

62712, 62713, 62714, 62715, 62716, 62717, 62718, 62719, 62720, 62721

10-11-12-13-14-15-16-17-18-19 mm



■ ADAPTADOR / ADAPTER / ADAPTATEUR / VERBINDUNGSTEILE / ADATTATORE / ADAPTADOR / АДАПТЕР

COD.			L (mm)			
62772	1/4"-10 mm		20	12		
62773	3/8"-17 mm	-	28	39	6	I
62774	1/2"-19 mm		35	65		
62775	-	1/4"-1/4"	25	10		



■ MASTERGEAR DOUBLE

■ LLAVE DE CARRACA DOBLE MASTERGEAR / MASTERGEAR DOUBLE RATCHET WRENCH / CLÉ À DOUBLE CLIQUET MASTERGEAR / MASTERGEAR DOPPEL KNARRE RINGSCHLÜSSEL / CHIAVE DOPPIA A CRICCO / CHAVE DE ROQUETE DUPLO MASTERGEAR / MASTERGEAR КЛЮЧ С ДВОЙНОЙ ТРЕЩЕТКОЙ

■ MM



COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)				
63280	185	8-9	18	21	7,4		60			
63281	200	10-11	21	22			90			
63282	225	12-15	23	28	8,4	8,4	135	8		
63283	250	13-14	25	26			150		I	A
63284	270	16-18	29	32	10	11,5	250			
63285	290	17-19	30	34						
63286	320	21-24	38	45	12,5	13,5	470	5		

DIN 1711 I Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

INCH

COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)			
63288	185	5/16-3/8	18	21	7,4		60		
63289	200	3/8-7/16	21	22		8,4	90		
63290	250	1/2-9/16	25	26			150	8	I
63291	290	11/16-3/4	30	34	10,0	11,5			A
63292	320	13/16-15/16	38	45	12,5	13,5	250	5	

DIN 1711 | Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

SET

MM

COD.	PCS.		COD. PCS.	(mm)
69990	A 6	90056	63280, 63281, 63282, 63283, 63284, 63285	8-9, 10-11, 12-15, 13-14, 16-18, 17-19



A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

EXPOSITORES MASTERGEAR / MASTERGEAR DISPLAYS / PRÉSENTOIRS MASTERGEAR / MASTERGEAR AUSSTELLUNGSSTAND / ESPOSITORE MASTERGEAR /
EXPOSITORES MASTERGEAR / ДИСПЛЕЙ С КЛЮЧАМИ MASTERGEAR

■ 186 PCS.

■ MM



COD.	PCS.
55650	A 186

PCS./UN.	COD. PCS.	
20	62651	8 mm
	62653	10 mm
	62654	11 mm
	62655	12 mm
	62656	13 mm
	62657	14 mm
16	62658	15 mm
	62659	16 mm
	62660	17 mm
14	62662	19 mm

MASTERGEAR

■ MM

COD.	PCS.
55651	A 186

PCS./UN.	COD. PCS.	
20	62680	8 mm
	62682	10 mm
	62683	11 mm
	62684	12 mm
	62685	13 mm
	62686	14 mm
16	62687	15 mm
	62688	16 mm
	62689	17 mm
14	62691	19 mm

MASTERGEAR REV.

■ 180 PCS.

■ MM



COD.	PCS.
65970	A 180

PCS./UN.	COD. PCS.	
20	62653	10 mm
	62655	12 mm
	62656	13 mm
16	62660	17 mm
14	62662	19 mm
20	62682	10 mm
	62684	12 mm
	62685	13 mm
16	62689	17 mm
14	62691	19 mm

MASTERGEAR
MASTERGEAR REV.

■ MM

COD.	PCS.
55652	A 186

PCS./UN.	COD. PCS.	
20	61530	8 mm
	61532	10 mm
	61533	11 mm
	61534	12 mm
	61535	13 mm
	61536	14 mm
16	61537	15 mm
	61538	16 mm
	61539	17 mm
14	61541	19 mm

MASTERGEAR ART. /
MASTERGEAR JOINT

MASTERGEAR E-TORX


COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)			
62734	120	E6 x E8	18	18	7,4	7,4	49	10	
62735	135	E10 x E12		19		8,4	60		
62736	180	E14 x E16	22	25	8,4		105	8	I
62737	200	E18 x E20	26	29		10,0	145		A
62738	220	E22 x E24	30	34	10,0	11,5	210	10	

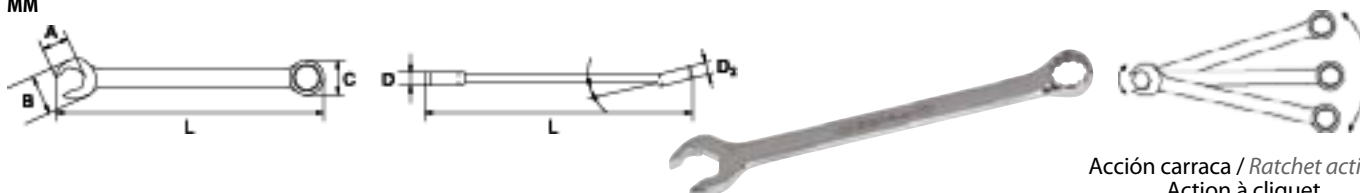
DIN 1711 | Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

SET
MM

COD.	PCS.		COD. PCS.	Composición / Composition / Composition
69874	A 5	950	62734, 62735, 62736, 62737, 62738	E6 x E8 - E10 x E12 - E14 x E16 - E18 x E20 - E22 x E24


RAPID WRENCH
LLAVE COMBINADA RÁPIDA / RAPID COMBINATION WRENCH / CLÉ MIXTE RAPIDE / RINGGABELSCHLÜSSEL RAPID / CHIAVE COMBINATA RAPIDA / CHAVE BOCA E LUNETA DE RETOMA RAPIDA / БЫСТРЫЙ КОМБИНИРОВАННЫЙ КЛЮЧ
MM


COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	D2 (mm)			
62740	140	8	6,5	18	15	5	7	32		
62742	160	10	8,0	22	17	6	8	55		
62743	170	11	9,5	24	19			70		
62744	175	12	10	26	20			80		
62745	180	13	11	28	21	7	9	90		
62746	195	14		31	23			110	10	
62747		15	12			8	10	135		I
62748	210	16		33	24			150		A
62749	230	17	14	37	27	9	12	170		
62750		18								
62751		19	16							
62752	250	20		41	30	10	13	220	5	

COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	D2 (mm)					
62753	270	21	17	45	32	11	14	290	5	I	A	
62754	300	22		47	34			320				
62755		23	350									
62756	320	24	19	50	37		16	395				
62757	340	26		21				55				470

DIN 1711

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

Acción carraca / Ratchet action / Action à cliquet

INCH

COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	D2 (mm)				
62759	160	3/8	8	22	17	6	8	55	10	I	A
62760	170	7/16	9,5	24	19			70			
62761	180	1/2	11	28	21	7	9	90			
62762	195	9/16	12	31	23	8	10	110			
62763	210	5/8		33	24			150			
62764	230	11/16	14	37	27	9	12	170			
62765	250	3/4	16	41	30	10	13	220	5		
62766	270	13/16	17	45	32	11	14	290			
62767	300	7/8		47	34			320			
62768	320	15/16	19	50	395						
62769	340	1	21	55	37		16	470			

DIN 1711

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

Acción carraca / Ratchet action / Action à cliquet

CLASSICGEAR

LLAVE COMBINADA DE CARRACA CLASSICGEAR / CLASSICGEAR COMBINATION RATCHET WRENCH / CLÉ MIXTE À CLIQUET CLASSICGEAR / RATCHEN-RINGGABELSCHLÜSSEL CLASSICGEAR / CHIAVI COMBINATE A CRICCO CLASSICGEAR / CHAVE DE BOCA E LUNETA DE ROQUETE CLASSICGEAR / CLASSICGEAR КОМБИНИРОВАННЫЙ КЛЮЧ С ТРЕЩЕТКОЙ

MM



COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)				
63788	114	6	10	17	17	4,2	7	41	10	I	A
63805		7		20	19	4,7	7,7	49			
63790	8										
63791	130	9	24	21	5,3	8,2	59				
63792	150	10	12	26	23	5,9	8,5	80			
63793	170	11	14	30	26	6,5	9,4	110			
63794	190	12	15	31	29	7,1	9,7	140			
63795		13	16								
63796	200	14	17								

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)				
63797	200	15	17	31	29	7,1	9,7	140	10		
63798	220	16	19	37	32	7,7	10,8	195			
63799		17	20								
63800	240	18	21	41	35	8,3	11,3	230			
63801		19									
63802	250	21	22	44	39	8,9	11,8	280	I	A	
63803		22	23								
63804	270	24	26	50	44	9,4	12,3	360			8
63926	290	27		55	48	10,2	13,1	520			
63927	320	30	32	60	55	11,2	14,1	650			
63928	390	32	36	65		12,4	15,8	940			

DIN 1711

INCH

COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)				E (mm)	
63806	130	5/16	10	20	19	4,7	50	10	I	A	7,7
63807	150	3/8	12	24	21	5,3	60				8,2
63808	170	7/16	14	26	23	5,9	80				8,5
63809	190	1/2	16	30	26	6,5	110				9,4
63810	200	9/16	17	31	29	7,1	140				9,7
63811	220	5/8	20	37	32	7,7	195	8			10,8
63812		11/16	21								11,3
63813	240	3/4	41	35	8,3	230	11,8				
63814	250	13/16	22	44	39	8,9	280				13,1
63815		7/8	23								
63816	290	1	31	50	44	10,2	440				

DIN 1711

SET

MM

COD.	PCS.		COD. PCS.	(mm)
68230	6	90056	63790, 63792, 63794, 63795, 63799, 63801	8, 10, 12, 13, 17, 19
68231	12	90083	63790, 63791, 63792, 63793, 63794, 63795, 63796, 63797, 63798, 63799, 63800, 63801	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19



INCH

COD.	PCS.		COD. PCS.	(inch)
68232	6	90056	63806, 63807, 63808, 63809, 63812, 63813	5/16 - 3/8 - 7/16 - 1/2 - 11/16 - 3/4
68233	10	90054	63807, 63808, 63809, 63810, 63811, 63812, 63813, 63814, 63815, 63816	3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4 - 13/16 - 7/8 - 1

CLASSICGEAR ARTICULADA / CLASSICGEAR JOINT / CLASSICGEAR ARTICULEE / RATSCHENRINGGABELSCHLUSSEL MIT VERSTELLBAREM KOPF / CLASSICGEAR SNODATA / CLASSICGEAR ARTICULADA / CLASSICGEAR ШАРНИР

LLAVE COMBINADA DE CARRACA ARTICULADA CLASSICGEAR / CLASSICGEAR JOINT COMBINATION RATCHET WRENCH / CLÉ MIXTE À CLIQUET ARTICULÉE CLASSICGEAR / RATSCHEN-RINGGABELSCHLÜSSEL MIT VERSTELLBAREM KOPF / CHIAVI COMBINATE A CRICCO ARTICOLATA CLASSICGEAR / CHAVE DE BOCA E LUNETA DE ROQUETE ARTICULADO CLASSICGEAR / CLASSICGEAR КОМБИНИРОВАННЫЙ КЛЮЧ С ПОВРОТНОЙ ТРЕЩЕТКОЙ

MM



COD.	L (mm)	AP ^{mm}	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
63833	124	6	10	17	17	4,2	7	50	10	
63817		7								
63818		8								
63819	140	9	20	19	4,7	7,7	55			
63820	160	10	12	24	21	5,3	8,2	70		
63821	175	11	14	26	23	5,9	8,5	95		
63822	190	12	15	30	26	6,5	9,4	130		
63823		13	16							
63824		14								
63825	210	15	17	31	29	7,1	9,7	170		
63826		16	19	37	32	7,7	10,8	220	8	I A
63827	230	17	20							
63828		18								
63829	250	19	21	41	35	8,3	11,3	260		
63830		21	22	44	39	8,9	11,8	310		
63831	260	22	23							
63832	270	24	50	44	9,4	12,3	390			
63930	290	27	55	48	10,2	13,1	540			
63931	320	30	60	55	11,2	14,1	670			
63932	390	32	65		12,4	15,8	1040			

DIN 1711

INCH

COD.	L (mm)	AP ^{inch}	A (mm)	B (mm)	C (mm)	D (mm)	g			E (mm)
63834	140	5/16	10	20	19	4,7	50	10	I A	7,7
63835	155	3/8	12	24	21	5,3	70			8,2
63836	175	7/16	14	26	23	5,9	95			8,5
63837	195	1/2	16	30	26	6,5	130			9,4
63838	210	9/16	17	31	29	7,1	170			9,7
63839		5/8	19	37	32	7,7	220			10,8
63840	230	11/16	20							11,3
63841	250	3/4	21	41	35	8,3	260			11,8
63842		13/16	22	44	39	8,9	310			13,1
63843	260	7/8	23					8		
63844	290	1	31	50	44	10,2	390			

DIN 1711

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

■ SET

■ MM

COD.	PCS.		COD. PCS.	(mm)
68234	6	90056	63818, 63820, 63822, 63823, 63827, 63829	8, 10, 12, 13, 17, 19
68235	A 12	90083	63818, 63819, 63820, 63821, 63822, 63823, 63824, 63825, 63826, 63828, 63829, 63827	8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19



■ INCH

COD.	PCS.		COD. PCS.	(inch)
68236	6	90056	63834, 63835, 63836, 63837, 63840, 63841	5/16 - 3/8 - 7/16 - 1/2 - 11/16 - 3/4
68237	A 10	90054	63835, 63836, 63837, 63838, 63839, 63840, 63841, 63842, 63843, 63844	3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4 - 13/16 - 7/8 - 1

EXPOSITORES CLASSICGEAR / CLASSICGEAR DISPLAYS / PRÉSENTOIRS CLASSICGEAR / CLASSICGEAR AUSSTELLUNGSSTAND / ESPOSITORE CLASSICGEAR /
EXPOSITORES CLASSICGEAR / ДИСПЛЕЙ С ГАЕЧНЫМИ КЛЮЧАМИ CLASSICGEAR

■ 186 PCS.

■ MM



COD.	PCS.
55653	A
186	
PCS./UN.	COD. PCS.
20	63790 8 mm
	63792 10 mm
	63793 11 mm
	63794 12 mm
	63795 13 mm
	63796 14 mm
	63797 15 mm
16	63798 16 mm
	63799 17 mm
14	63801 19 mm

CLASSICGEAR

■ MM

COD.	PCS.
55654	A
186	
PCS./UN.	COD. PCS.
20	63818 8 mm
	63820 10 mm
	63821 11 mm
	63822 12 mm
	63823 13 mm
	63824 14 mm
	63825 15 mm
16	63826 16 mm
	63827 17 mm
14	63829 19 mm

CLASSICGEAR ART. /
CLASSICGEAR JOINT

■ 180 PCS.

■ MM



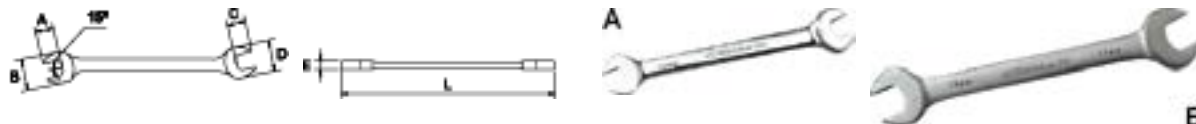
COD.	PCS.
65971	A
180	
PCS./UN.	COD. PCS.
20	63792 10 mm
	63794 12 mm
	63795 13 mm
16	63799 17 mm
14	63801 19 mm
20	63820 10 mm
	63822 12 mm
	63823 13 mm
16	63827 17 mm
14	63829 19 mm

CLASSICGEAR

CLASSICGEAR ART. /
CLASSICGEAR JOINT

■ LLAVES FIJAS / OPEN-END WRENCHES / CLÉS À FOURCHE / GABELSCHLÜSSEL / CHIAVI FISSE / CHAVES DUAS BOCAS / РОЖКОВЫЕ КЛЮЧИ

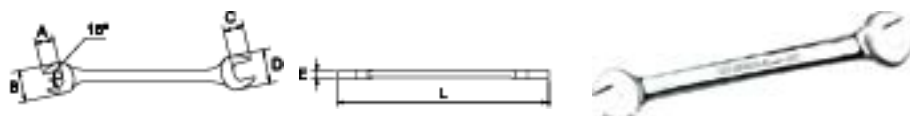
■ MM



COD.	COD.	L (mm)	AF mm	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
-	67963	100	4-4,5		13		14	3,4	10		
-	67965		4-5	9,0							
-	67967		5-5,5		14	9,0	16				
-	67907		5,5-7						20		
61601	61701	125	6-7		16	10	18	3,9	22		
-	62928		7-8	9,5					25		
61602	61702		8-9						38		
-	67908	140	8-10	10	19		21		40		
61603	61703	155	10-11		21	11	24		50		
-	62629		10-13	11	26			5,5	55		
-	67909		11-13								
61604	61704	175	12-13	12			28		70		
-	67910		12-14		28						
-	67911		13-14								
-	67912	190	13-15				32		100		
-	67913		13-16		30	15	33	6,0			
61605	61705		14-15	14							
-	67914		13-17				34		110		
-	62930	210	14-17		33			7,0			
61606	61706		16-17		35	16	36		130	5	I
-	67915		16-18								
61614	61700		17-19	17							
61607	61707	220	18-19	18	39	18	41		160		
-	67916		18-21				42	8,0			
-	62931	230	19-22	19	43	22	47		200		
61608	61708		20-22								
61609	61709	240	21-23								
-	63961	250	21-24	23	47	23	50		250		
-	67917		22-24								
61610	61710	260	24-26	27				9,0			
61651	61652	270	24-27		50	30	55		330		
61611	61711		25-28	30					420		
61612	61712	290	27-29		55	34			430		
-	67918	300	27-30				65	10	460		
-	67919		27-32	34		35					
61613	61713	320	30-32		60			11	500		
-	67970		36-41	36	80		70		850		
-	67920	360	38-42	42	85	42	75	12	900		
-	67972	370	41-46		90	47	80	13	1200		
-	67974	400	46-50	47	100	50	90	14	1500		

DIN 3110

■ INCH



COD.	L (mm)	AF inch	A (mm)	B (mm)	C (mm)	D (mm)	g			E (mm)
60315	105	3/16-7/32	4	14	5	15	15	10	I	3,7

A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

B Cromado aerospacial / Aerspatial chrome plating / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)				E (mm)
60300	120	1/4-5/16	8,0	14	9,0	17	22	10		3,6
60301	140	5/16-3/8	10	20						3,8
67941		5/16-11/32	11		12	22	38			4
67931	145	11/32-13/32	12	22						
60302	160	3/8-7/16	13		13	24	50			
67942		7/16-1/2		26			55			
60303	175	1/2-9/16	14	27	15	28	60			5,5
60304	190	9/16-5/8	17	30	17	33	70			
60305	200	19/32-11/16	18		19	38	85			
60306		5/8-11/16		35	18		115			6,0
67943	210	5/8-3/4	19		20	36	125	5	I	7,0
60307		11/16-3/4		38		40	130			6,0
60308	220	3/4-25/32		39	21		160			6,5
67934		3/4-13/16	21			41	190			
60309	230	3/4-7/8		44	24	48	200			7,0
60310		13/16-7/8	25	45			250			7,5
67944	250	7/8-15/16		47	28	50	260			
60311	260	15/16-1					330			
67945		15/16-1.1/8	26	50	29		370			8,0
67939		1-1.1/16			28	60	390			
60312	280	1-1.1/8		55	30		420	1	A	
60313		1.1/16-1.1/8	28		31		430			8,5
60314	320	1.1/16-1.1/4		60			500			
67940		1.1/8-1.1/4	35			65				
67961	300	1.3/16-1.5/16		70	36		550			10
67968		1.3/8-1.1/2				70	650			
67946	320	1.7/16-1.5/8	36		42	80	850			12

DIN 3110

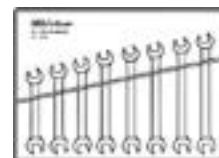
CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

SET

MM

COD.	PCS.		COD. PCS.	(mm)
69244	6	90052	61601, 61602, 61603, 61604, 61605, 61606	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
69245	8	90053	61601, 61602, 61603, 61604, 61605, 61606, 61607, 61608	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
69246	10	90054	61601, 61602, 61603, 61604, 61605, 61606, 61607, 61608, 61609, 61610	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
69247			61601, 61602, 61603, 61604, 61605, 61606, 61607, 61608, 61609, 61610, 61611, 61613	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32
69794	12	90055	61601, 61602, 61603, 61604, 61605, 61606, 61607, 61608, 61609, 61651, 61611, 61613	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32



A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

MM

COD.	PCS.		COD. PCS.	(mm)
69248	6	90052	61701, 61702, 61703, 61704, 61705, 61706	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
69249	8	90053	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
69250	10	90054	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61710	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
69251	12	90055	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61652, 61711, 61713	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32

INCH

COD.	PCS.		COD. PCS.	(inch)
69310	6	90052	60302, 60303, 60304, 60305, 60306, 60310	3/8-7/16, 1/2-9/16, 9/16-5/8, 19/32-11/16, 5/8-11/16, 13/16-7/8
69311	8	90053	60302, 60303, 60304, 60305, 60306, 60310, 60309, 60311	3/8-7/16, 1/2-9/16, 9/16-5/8, 19/32-11/16, 5/8-11/16, 3/4-7/8, 13/16-7/8, 15/16-1
69312	10	90054	60300, 60301, 60302, 60303, 60304, 60306, 60310, 60311, 60312, 60314	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/4
69313	12	90055	60300, 60301, 60302, 60303, 60304, 60306, 60310, 60311, 60312, 60313, 60314, 60309	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 3/4-7/8, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/8, 1.1/16-1.1/4

MM

COD.	PCS.	COD. PCS.	(mm)
68451	6	61601, 61602, 61603, 61604, 61605, 61606	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
69444	8	61601, 61602, 61603, 61604, 61605, 61601, 61607, 61608	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
68452	10	61601, 61602, 61603, 61604, 61605, 61606, 61607, 61608, 61609, 61610	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
69445	12	61601, 61602, 61603, 61604, 61605, 61606, 61607, 61608, 61609, 61610, 61611, 61613	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32

MM

COD.	PCS.	COD. PCS.	(mm)
68453	6	61701, 61702, 61703, 61704, 61705, 61706	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
69446	8	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
68454	10	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61710	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
69447	12	61701, 61702, 61703, 61704, 61705, 61706, 61707, 61708, 61709, 61710, 61711, 61713	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32

INCH

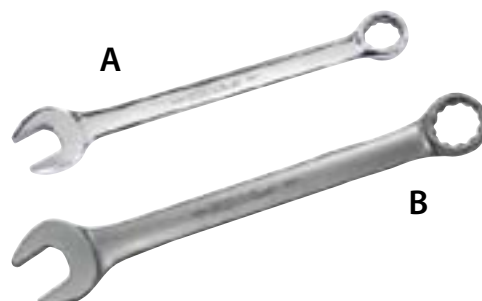
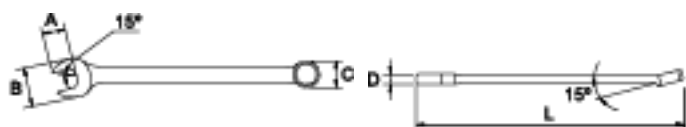
COD.	PCS.	COD. PCS.	(inch)
68467	6	60302, 60303, 60304, 60305, 60306, 60310	3/8 - 7/16 - 1/2 - 9/16 - 9/16 - 5/8 - 19/32 - 11/16 - 5/8 - 11/16 - 13/16 - 7/8
69452	8	60301, 60302, 60303, 60304, 60305, 60306, 60308, 60310	5/16 - 3/8 - 3/8 - 7/16 - 1/2 - 9/16 - 9/16 - 5/8 - 19/32 - 11/16 - 5/8 - 11/16 - 3/4 - 7/8 - 13/16 - 7/8
68468	10	60300, 60301, 60302, 60303, 60304, 60306, 60310, 60311, 60312, 60314	1/4 - 5/16 - 5/16 - 3/8 - 3/8 - 7/16 - 1/2 - 9/16 - 9/16 - 5/8 - 5/8 - 11/16 - 13/16 - 7/8 - 15/16 - 1 - 1 - 1.1/8 - 1.1/16 - 1.1/4
69453	12	60300, 60301, 60302, 60303, 60304, 60306, 60309, 60310, 60311, 60312, 60313, 60314	1/4 - 5/16 - 5/16 - 3/8 - 3/8 - 7/16 - 1/2 - 9/16 - 9/16 - 5/8 - 5/8 - 11/16 - 3/4 - 7/8 - 13/16 - 7/8 - 15/16 - 1 - 1 - 1.1/8 - 1.1/16 - 1.1/8 - 1.1/16 - 1.1/4

A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

B Cromado aerospacial / Aerspatial chrome plating / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinare / Cromado fosco aerospacial / Матовый хром

LLAVES COMBINADAS / COMBINATION WRENCHES / CLÉS MIXTES / RINGGABELSCHLÜSSEL / CHIAVI COMBINATE / CHAVES BOCA E LUNETA / КОМБИНИРОВАННЫЕ КЛЮЧИ

MM



COD.	COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)			
-	63965	70	3,2		11	10		8,0		
-	63966	65	4	3,7	8,5	8,0	3,0	9,0		
-	63967	80	5	4,5	11	9,0				
-	67881		5,5		14	11		16		
61625	61725	100	6	7,0			3,3			
61626	61726	110	7		16	12	3,6	20		
61627	61727	120	8		18	13	4,5	25		
61628	61728	130	9	10	19	15	5,0	30		
61629	61729	140	10	11	21	17		38		
61630	61730		11	12	23	18	5,5	45		
61631	61731	160	12	14	25	19		52	10	
61632	61732		13	15	27	20		70		
61633	61733	180	14		29	21	6,5	75		
61634	61734	190	15	16	32	23		90		
61635	61735	200	16		33	24				
61636	61736	210	17	18	35		7,5	110		
61637	61737		18		38	26		135		
61638	61738	230	19	21	39	29		160		
61639	61739	240	20	23	41	30		180		
61640	61740	250	21	24	46	31	8,0	210		
61641	61741		22	25		33		220		
61642	61742	260	23		48			260		
61643	61743		24	26	49	35		280		
61644	61744	280	25		50	36	9,0	290		
61645	61745		26		55	37		360		
61646	61746	330	27			41	10	420	5	
61647	61747		28	32	60			450		
61648	61748	340	29			42	11	500		
61649	61749		30	33	65	43		550		
61650	61750	350	32			47				
-	57062	360	33	34	70	49		600		
-	60951	385	34		75	52	14			
-	57063	380	35	35				650		
-	60952	405	36		80	55	15	900		
-	57064	400	37	36	75	60	14	800		
-	60953	410	38	38	83	58	16	1000	1	
-	67895		40							
-	60954	450	41	41	88	63	17	1300		
-	57065	440	42	42	85	60	16	1200		

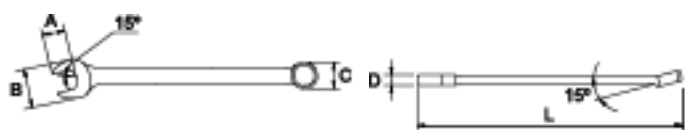
A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

B Cromado aeroespacial / Aerospaceal chrome plating / Chromée aérospatiale / Verchromt aérospatiale / Cromate satinato / Cromado fosco aeroespacial / Матовый хром

COD.	COD.	L (mm)	AP mm	A (mm)	B (mm)	C (mm)	D (mm)	g		
-	57066	500	44	46	90	65	16	1500		
-	60955		46		96	70	18	1800		
-	57067	530	48	48	100	75		2200		
-	60956	535	50	50		76	19	2300	1	-
-	67882	600	55	60	105	80		3000		
-	67883	650	60	65	115	90	21	3550		
-	67884	700	65	70	125	95	23	3800		

DIN 3113

INCH



COD.	L (mm)	AP inch	A (mm)	B (mm)	C (mm)	D (mm)	g			
67953	95	3/16	5,0			3,0	8,0			
67954		7/32		14	9,0					
61653	100	15/64	6,5			3,8	16			
60340		1/4								
67885	110	9/32	7	20	12,5	4	17			
60341	120	5/16	9,0	17	12	4,5	25			
67878	130	11/32	10	19	15		28			
60342	140	3/8	11		16	5,5	38			
60343	170	7/16	14	26	20	6,0	45	10		
60344		1/2	15			6,5	70			
60345	180	9/16	16	29	21	7,0	75			
60346	190	19/32		31	23					
60347	200	5/8	17	32	25	7,5	90			
60348		11/16	19				130			
60349	220	3/4	20	37	28	8,0	160			
60350	240	25/32	22	41	31		180			
60351	250	13/16	23	43	32		210			
60352	280	7/8	24	48	35	8,5	220			
60353		15/16	26		36		280			
60354	290	1	27	50	38		300			
60355	310	1.1/16	29	55	39	9,0	420	5		A
60356		1.1/8			42	10	450			
60357	360	1.3/16	33	60	43		500			
60358	390	1.1/4	34		45	11				
60957	380	1.5/16		65	51	13	600			
60958		1.3/8	36							
60961	405	1.7/16		80	55	15	900			
60959	407	1.1/2	38	83	58					
67840	410	1.9/16	39	80	60	16	1000			
60962	446	1.5/8		88	63					
67841	450	1.11/16	41	90	65	17	1300			
60897		1.3/4								
60898	500	1.13/16	46	96	70	18	1800	1		-
60899		1.7/8								
67842	550	1.15/16	50		75	19	2300			
60960	535	2			76					
60905		2.3/16"		105			2200			
61099	600	2.1/4"	55		80	20	2800			
67955	650	2.3/8	60	115	90	21	2900			
67956	700	2.1/2	65	125	95	23	2300			

DIN 3113

A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

B Cromado aerospacial / Aerspatial chrome plating / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinare / Cromado fosco aerospacial / Матовый хром

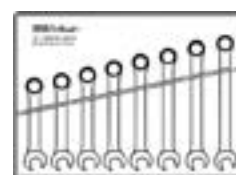
CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

SET

MM

COD.	PCS.		COD. PCS.	(mm)
69258	6	90080	61627, 61629, 61631, 61633, 61636, 61638	8, 10, 12, 14, 17, 19
69259	8	90081	61627, 61629, 61631, 61632, 61633, 61636, 61638, 61641	8, 10, 12, 13, 14, 17, 19, 22
69273	10	90082	61627, 61628, 61629, 61630, 61631, 61632, 61633, 61636, 61638, 61641	8, 9, 10, 11, 12, 13, 14, 17, 19, 22
69274	12	90083	61625, 61626, 61627, 61628, 61629, 61630, 61631, 61632, 61633, 61634, 61641, 61643, 61644	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
68513	13	90060	61625, 61627, 61629, 61630, 61632, 61633, 61634, 61636, 61638, 61639, 61641, 61643, 61644	6, 8, 10, 11, 13, 14, 15, 17, 19, 20, 22, 24, 25
69261	14	90063	61629, 61630, 61631, 61633, 61635, 61636, 61638, 61639, 61641, 61643, 61644, 61646, 61647, 61650	10, 11, 12, 14, 16, 17, 19, 20, 22, 24, 25, 27, 28, 32
68521	A 15	90061	61629, 61630, 61632, 61633, 61634, 61636, 61638, 61639, 61641, 61643, 61644, 61646, 61648, 61649, 61650	10, 11, 13, 14, 15, 17, 19, 20, 22, 24, 25, 27, 29, 30, 32
69275	17	90064	61625, 61626, 61627, 61628, 61629, 61630, 61631, 61632, 61633, 61634, 61635, 61636, 61637, 61638, 61639, 61640, 61641	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
69552			61626, 61627, 61628, 61621, 61630, 61631, 61632, 61633, 61634, 61635, 61636, 61637, 61638, 61639, 61640, 61641, 61643	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24
69276	26	90065	61625, 61626, 61627, 61628, 61629, 61630, 61631, 61632, 61633, 61634, 61635, 61636, 61637, 61638, 61639, 61640, 61641, 61642, 61643, 61644, 61645, 61646, 61647, 61648, 61649, 61650	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32



MM

COD.	PCS.		COD. PCS.	(mm)
69262	6	90080	61727, 61729, 61731, 61733, 61736, 61738	8, 10, 12, 14, 17, 19
69263	8	90081	61727, 61729, 61731, 61732, 61733, 61736, 61738, 61741	8, 10, 12, 13, 14, 17, 19, 22
69277	10	90082	61727, 61728, 61729, 61730, 61731, 61732, 61733, 61736, 61738, 61741	8, 9, 10, 11, 12, 13, 14, 17, 19, 22
69278	12	90083	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
68514	13	90060	61725, 61727, 61729, 61730, 61732, 61733, 61734, 61736, 61738, 61739, 61741, 61743, 61744	6, 8, 10, 11, 13, 14, 15, 17, 19, 20, 22, 24, 25
69265	14	90063	61729, 61730, 61731, 61733, 61735, 61736, 61738, 61739, 61741, 61743, 61744, 61746, 61747, 61750	10, 11, 12, 14, 16, 17, 19, 20, 22, 24, 25, 27, 28, 32
69796			61729, 61730, 61731, 61733, 61735, 61736, 61738, 61739, 61741, 61743, 61744, 61746, 61749, 61750	10, 11, 12, 14, 16, 17, 19, 20, 22, 24, 25, 27, 30, 32
68522	15	90061	61729, 61730, 61732, 61733, 61734, 61736, 61738, 61739, 61741, 61743, 61746, 61748, 61749, 61750, 61744	10, 11, 13, 14, 15, 17, 19, 20, 22, 24, 25, 27, 29, 30, 32
69279	17	90064	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
69556			61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61743	7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24
69280	26	90065	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736, 61737, 61738, 61739, 61740, 61741, 61742, 61743, 61744, 61745, 61746, 61747, 61748, 61749, 61750	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32

A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

B Cromado aerospacial / Aerspatial chrome plating / Chromée aérospatiale / Verchromt aerspatiale / Cromate satinare / Cromado fosco aerospacial / Матовый хром

INCH

COD.	PCS.		COD. PCS.	(inch)
69330	6	90080	60342, 60343, 60344, 60345, 60347, 60349	3/8, 7/16, 1/2, 9/16, 5/8, 3/4
69331	8	90081	60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4
69332	10	90082	60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60354	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 1
69333	12	90083	60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354	5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1
68502	A 13	90060	60340, 60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1
69334	14	90063	60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354, 60355, 60356, 60358	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4
68505	15	90061	60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60353, 60354, 60355, 60356, 60357, 60358	3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.3/16, 1.1/4
69335	17	90064	60340, 60341, 60342, 60343, 60344, 60345, 60346, 60347, 60348, 60349, 60350, 60351, 60352, 60353, 60354, 60355, 60356	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8

MM

COD.	PCS.	COD. PCS.	(mm)
68455	A 6	61627, 61629, 61631, 61633, 61636, 61638	8, 10, 12, 14, 17, 19
69448	8	61627, 61628, 61629, 61630, 61631, 61633, 61636, 61638	8, 9, 10, 11, 12, 14, 17, 19
68458	B 10	61627, 61628, 61629, 61630, 61631, 61632, 61633, 61636, 61638, 61641	8, 9, 10, 11, 12, 13, 14, 17, 19, 22
69449	A 12	61625, 61626, 61627, 61628, 61629, 61630, 61631, 61632, 61633, 61634, 61635, 61636	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17



MM

COD.	PCS.	COD. PCS.	(mm)
68457	6	61727, 61729, 61731, 61733, 61736, 61738	8, 10, 12, 14, 17, 19
69450	8	61727, 61728, 61729, 61730, 61731, 61733, 61736, 61738	8, 9, 10, 11, 12, 14, 17, 19
68456	B 10	61727, 61728, 61729, 61730, 61731, 61732, 61733, 61736, 61738, 61741	8, 9, 10, 11, 12, 13, 14, 17, 19, 22
69451	12	61725, 61726, 61727, 61728, 61729, 61730, 61731, 61732, 61733, 61734, 61735, 61736	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17

INCH

COD.	PCS.	COD. PCS.	(inch)
68469	6	60342, 60343, 60344, 60345, 60347, 60349	3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 3/4
69454	8	60341, 60342, 60343, 60344, 60345, 60347, 60348, 60349	5/16 - 3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4
68470	A 10	60342, 60343, 60344, 60345, 60347, 60348, 60349, 60351, 60352, 60354	3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4 - 13/16 - 7/8 - 1
69455	12	60341, 60342, 60343, 60344, 60345, 60348, 60347, 60349, 60351, 60352, 60353, 60354	5/16 - 3/8 - 7/16 - 1/2 - 9/16 - 5/8 - 11/16 - 3/4 - 13/16 - 7/8 - 15/16 - 1

■ EXPOSITORES / DISPLAYS / PRESENTOIRS / DISPLAY / ESPOSITORI / DISPLAY STAND / СТЕНДЫ

■ 165 PCS.

■ MM



COD.		PCS.
55655	A	165
PCS./UN.	COD. PCS.	
20	61627	8 mm
	61629	10 mm
	61630	11 mm
	61631	12 mm
	61632	13 mm
15	61633	14 mm
14	61634	15 mm
13	61635	16 mm
12	61636	17 mm
11	61638	19 mm

■ MM

COD.		PCS.
55656	B	165
PCS./UN.	COD. PCS.	
20	61727	8 mm
	61729	10 mm
	61730	11 mm
	61731	12 mm
	61732	13 mm
15	61733	14 mm
14	61734	15 mm
13	61735	16 mm
12	61736	17 mm
11	61738	19 mm

■ 162 PCS.

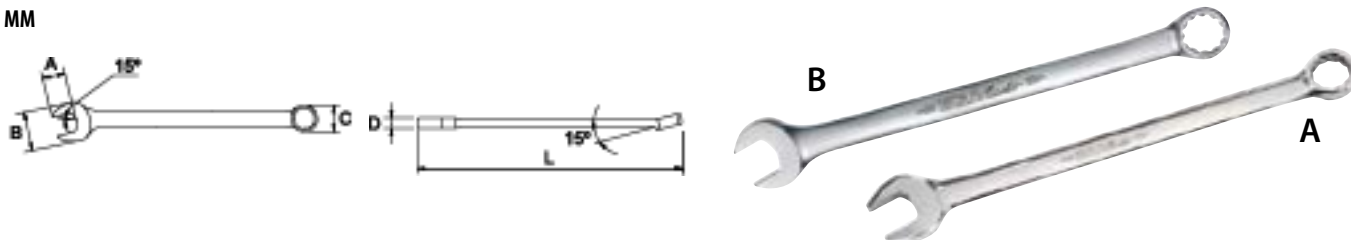
■ INCH



COD.		PCS.
55657	A	162
PCS./UN.	COD. PCS.	
20	60342	3/8"
	60343	7/16"
	60344	1/2"
	60345	9/16"
	60347	5/8"
17	60348	11/16"
15	60349	3/4"
13	60351	13/16"
12	60352	7/8"
10	60354	1"

LLAVES COMBINADAS EXTRA LARGAS / EXTRA-LONG COMBINATION WRENCHES / CLÉS MIXTES EXTRA-LONGUES / RINGMAULSCHLÜSSEL EXTRA LANG / CHIAVE COMBINATA EXTRA LUNGHE / CHAVES COMBINADAS EXTRA-LARGAS / КЛЮЧ КОМБИНИРОВАННЫЙ УДЛИНЕННЫЙ

MM



COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)			
56405	130	6	7	14	11	5	18	10	
56406	140	7		15	12	5,5	20		
56407	150	8	10	18	14	6	30		
56408	160	9		20	15	6,5	35		
56409	170	10	11	22	16	7	50		
56410	180	11	12	24	18	7,5	55		
56411	195	12	14	26	19	8	65		
56412	210	13	15	27	21	8,5	95		
56413	220	14	16	30	22	9,5	115		
56414	230	15		32	23	10	120		
56415	240	16	18	34	24	11	160	5	
56416	250	17		37	27	12	190		
56417	270	18	21	38	28		195		
56418	280	19		40	29	13	260		
56419	290	20	23	42	30		300		
56420	300	21	24	43	32	320			
56421	310	22	25	45		14	330		
56422	330	23	26	46	34	15	380		
56423	340	24		50	36	16	450		
56424	350	25	29	53	37	17	530		
56425	370	26		54	38	18			
56426	390	27	32	56	40				
56427		28		57	41	19			
56428	410	29	33	59	43	20			
56429	420	30		60	44				
56430	440	32	34	65	47	21	1000		

DIN 3113

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

INCH

COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)			
56432	280	3/4	19	40	29	8,5	260	10	I A
56433	300	13/16	21	43	32	9	320		
56434	310	7/8	22	45	33	9,5	330		
56435	340	15/16	24	50	36	10	440	5	
56436	350	1	25	53	37	11	530		
56437	390	1.1/16	27	56	40	12			
56438	410	1.1/8	29	59	43	13	760		
56439	440	1.1/4	32	65	47	14	1000		

DIN 3113

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

B Cromado aerospacial / Aerspatial chrome plating / Chromée aérospatiale / Verchromt aerspatiale / Cromate satinate / Cromado fosco aerospacial / Матовый хром

LLAVES COMBINADAS MAXI / MAXI COMBINATION WRENCHES / CLÉS MIXTES MAXI / MAXI RING-MUL-SCHLÜSSEL / CHIAVI COMBINATE MAXI / CHAVAS COMBINADAS MAXI / КОМБИНИРОВАННЫЕ КЛЮЧИ МАКСИ

MM



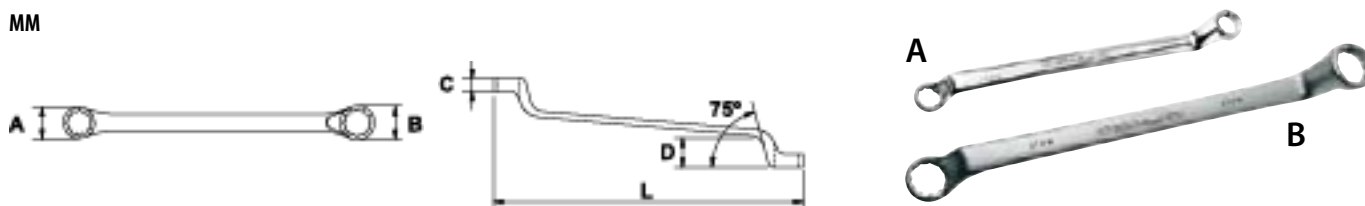
COD.	L (mm)	AF mm	A (mm)	B (mm)	C (mm)	D (mm)	Kg		
55300		70							
55301	650	75	75	145	115	24	4,2		
55302		80							
55303	700	85	85	160	120	26	5,4		
55304		90							
55305	750	95	95	180	140		7,1		
55306		100				27		1	-
55307	800	105	105	195	150		8,4		
55308		110							
55309	850	115	115	210	165		9,8		
55310		120				28			
55311	900	125	125	230	180		12,1		

INCH

COD.	L (mm)	AF inch	A (mm)	B (mm)	C (mm)	D (mm)	Kg		
55322		2.3/4							
55312	650	3	75	145	115	24	4,2		
55313		3.1/4				26	5,3		
55314	700	3.1/2	85	160	120				
55315	750		95	180	140	27	7,2		
55316	800	3.3/4	105	195	150			1	-
55323		3.7/8					8,4		
55317		4							
55318	850	4.1/4	115	210	165				
55319		4.1/2				28	9,8		
55320	900	4.3/4	125	230	180		12,1		
		5							

LLAVES ACODADAS / DOUBLE OFFSET RING WRENCHES / CLÉS POLYGAONALES / RINGSCHLÜSSEL / CHIAVI POLIGONALI / CHAVES LUNETA / КЛЮЧИ ДВОЙНАЯ ИЗОГНУТАЯ ЗВЕЗДОЧКА

MM



COD.	COD.	L (mm)	AF mm	A (mm)	B (mm)	C (mm)	D (mm)	g		
-	61774	165	5,5-6	11	12	4,5	19	45		
61675	61775	170	6-7					50		
-	67843		7-8	13	16	6,5		55		
61676	61776	180	8-9	15	17		17	65		
-	67844		8-10			7,0		55		
61677	61777		10-11						10	1
-	67845	200	10-12	17	19	7,5		85		
-	67846		10-13				22			
-	67847	220	11-13	19	20	9,0		90		
-	67848		11-14					110		

A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

B Cromado aeroespacial / Aerspatial chrome plating / Chromée aérospatiale / Verchromt aerspatiale / Cromate satinate / Cromado fosco aeroespacial / Матовый хром

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

COD.	COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)			
61678	61778		12-13	19				110		
-	67849	220	12-14		21	9,0	23	120		
-	67850		13-14					125		
61679	61779	240	14-15	21	24	9,5		140		
-	67851		13-16					140		
-	67852	250	13-17		23	10		155	10	
-	67853		14-17				25	160		
61680	61780		16-17	25		11		180		
-	67854	260	16-18		27	12		200		
-	67855		17-19	27						
61681	61781	290	18-19	28	29		27	220		
-	67856		18-21					270		
-	67857	320	19-22	31	33	13	26	280	8	I
61682	61782		20-22	32	34		29	360		
61683	61783		21-23	35				400		
-	67858	330	21-24		39		30	410		
-	67859		22-24	36				450		
61684	61784	340	24-26		41	15		490		
-	61788		24-27	37	42		31			
61685	61785		25-28							
61686	61786	350	27-29	39	43		32	600	5	
-	67860		27-30	41	44			650		
61687	61787	370	30-32	44	47	16	33	700		
-	67861		32-36		48	18	38	750		
-	67862	400		55						
61690	61789	420	34-36		50	19	41	900		
-	67863	550	36-41	70	75		49	1100		
61691	61790	460	41-46	65	60	21	45	1600		
		550	46-50	70	75	20	50	2000		

DIN 838

INCH

COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)			
60380	170	1/4-5/16	10	12	5,5	18	50		
67886	180	5/16-11/32			6,0	17	55		
60381	185	5/16-3/8		16	5,5	20	65		
60382	200	3/8-7/16	14		7,0		85		
67887	220	7/16-1/2	19	20		22	90		
60383		1/2-9/16	21		9,0	24	100		
60384	240	9/16-5/8	20	23		26	125	10	
60385	260	19/32-11/16	24	25	10	27	130		
60386		5/8-11/16		27			140		
67888	290	5/8-3/4	26				165		
60387		11/16-3/4		29	13	30	180		
67889		11/16-13/16					240		
60388		3/4-25/32	31	30					I
60389	320	3/4-7/8			14		360		A
67890		3/4-13/16		33			380		
60390		13/16-7/8	30			31	400		
67891	330	7/8-15/16	34	37			440		
67892	340	7/8-1.1/16					470	5	
60391	320	15/16-1	38	41					
67893	340	1-1.1/16			15				
60392	350	1-1.1/8	43			35	600		
60393		1.1/16-1.1/8		48					
60394	360	1.1/16-1.1/4	44						
67894	370	1.1/8-1.1/4		65	16	36	650		

DIN 838

A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

B Cromado aeroespacial / Aerospaceal chrome plating / Chromée aérospatiale / Verchromt aérospatiale / Cromate satinato / Cromado fosco aeroespacial / Матовый хром

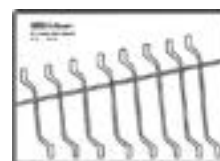
CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

■ SET

■ MM

COD.	PCS.		COD. PCS.	(mm)
69252	6	90056	61675, 61676, 61677, 61678, 61679, 61680	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
69238	8	90057	61675, 61676, 61677, 61678, 61679, 61680, 61681, 61682	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
69253	10	90058	61675, 61676, 61677, 61678, 61679, 61680, 61681, 61682, 61683, 61684	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
69254	12	90059	61675, 61676, 61677, 61678, 61679, 61680, 61681, 61682, 61683, 61684, 61685, 61687	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32



■ MM

COD.	PCS.		COD. PCS.	(mm)
69255	6	90056	61778, 61775, 61776, 61777, 61779, 61780	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
69239	8	90057	61778, 61775, 61776, 61777, 61779, 61780, 61781, 61782	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
69256	10	90058	61778, 61775, 61776, 61777, 61779, 61780, 61781, 61782, 61783, 61784	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26
69257	12	90059	61778, 61782, 61783, 61784, 61785, 61787, 61775, 61776, 61777, 61779, 61780, 61781	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26, 25-28, 30-32



■ INCH

COD.	PCS.		COD. PCS.	(inch)
69320	6	90056	60382, 60383, 60384, 60385, 60386, 60390	3/8-7/16, 1/2-9/16, 9/16-5/8, 19/32-11/16, 5/8-11/16, 13/16-7/8
69321	8	90057	60382, 60383, 60384, 60385, 60386, 60390, 60389, 60391	3/8-7/16, 1/2-9/16, 9/16-5/8, 19/32-11/16, 5/8-11/16, 3/4-7/8, 13/16-7/8, 15/16-1
69322	10	90058	60380, 60381, 60382, 60383, 60384, 60386, 60390, 60391, 60392, 60394	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/4
69323	12	90059	60381, 60382, 60383, 60384, 60386, 60390, 60391, 60392, 60393, 60394, 60380, 60389	1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16, 9/16-5/8, 5/8-11/16, 3/4-7/8, 13/16-7/8, 15/16-1, 1-1.1/8, 1.1/16-1.1/8, 1.1/16-1.1/4

A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

B Cromado aeroespacial / Aerospaceal chrome plating / Chromée aérospatiale / Verchromt aérospatiale / Cromate satinato / Cromado fosco aeroespacial / Матовый хром

MM

COD.	PCS.	COD. PCS.	(mm)
68459	6	61675, 61676, 61677, 61678, 61679, 61680	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
68460	8	61675, 61676, 61677, 61678, 61679, 61680, 61681, 61682	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
68461	10	61675, 61676, 61677, 61678, 61679, 61680, 61681, 61682, 61683, 61684	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26



MM

COD.	PCS.	COD. PCS.	(mm)
68463	6	61778, 61775, 61776, 61777, 61779, 61780	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
68464	8	61778, 61775, 61776, 61777, 61779, 61780, 61781, 61782	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22
68465	10	61780, 61782, 61776, 61784, 61775, 61777, 61779, 61781, 61783, 61778	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-26

INCH

COD.	PCS.	COD. PCS.	(inch)
68471	6	60382, 60383, 60384, 60385, 60386, 60390	3/8-7/16 - 1/2-9/16 - 9/16-5/8 - 19/32-11/16 - 5/8-11/16 - 13/16-7/8
68472	8	60382, 60383, 60384, 60385, 60386, 60390, 60389, 60391	3/8-7/16, 1/2-9/16 - 9/16-5/8 - 19/32-11/16 - 5/8-11/16 - 3/4-7/8 - 13/16-7/8 - 15/16-1
68473	10	60380, 60381, 60382, 60383, 60384, 60386, 60387, 60389, 60390, 60391	1/4-5/16 - 5/16-3/8 - 3/8-7/16 - 1/2-9/16 - 9/16-5/8 - 5/8-11/16 - 11/16-3/4 - 3/4-7/8 - 13/16-7/8 - 15/16-1

EXPOSITORES / DISPLAYS / PRESENTOIRS / DISPLAY / ESPOSITORI / DISPLAY STAND / СТЕНДЫ

165 PCS.

MM



COD.	PCS.
55658	165
PCS./UN.	COD. PCS.
20	61775 6-7 mm
	61776 8-9 mm
	61777 10-11 mm
	61778 12-13 mm
	61779 14-15 mm
15	67852 13-17 mm
14	61780 16-17 mm
13	61781 18-19 mm
12	67855 17-19 mm
11	61782 20-21 mm

162 PCS.

INCH



COD.	PCS.
55659	162
PCS./UN.	COD. PCS.
20	60380 1/4-5/16"
	60381 5/16-3/8"
	60382 3/8-7/16"
	60383 1/2-9/16"
	60384 9/16-5/8"
14	60385 19/32-11/16"
12	67888 5/8-3/4"
	60387 11/16-3/4"
10	67889 11/16-13/16"
	60390 13/16-7/8"

A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

B Cromado aeroespacial / Aerospaceal chrome plating / Chromée aérospatiale / Verchromt aérospatiale / Cromate satinare / Cromado fosco aeroespacial / Матовый хром

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

KIT DEMO 6 LLAVES / 6 SPANNER DEMO KIT / KIT DÉMO. 6 CLÉS / DEMOKIT 6 SCHLÜSSEL / KIT 6 CHIAVI DI DIMOSTRAZIONE / KIT DEMO 6 CHAVES / ДЕМО НАБОР 6 КЛЮЧЕЙ

COD.	
69342	300

COD. PCS.	
61727	Aerospacial / <i>Aerospatial</i>
61627	Espejo / <i>Mirror</i>
73062	1000V
70172	Cu-Be
70684	Al-Bron
71669	Titanio / <i>Titanium</i>

8



LLAVES FIJAS EXTRAFINAS / SLIM OPEN-END WRENCHES / CLÉS À FOURCHE EXTRA-FINES / DOPPELMAULSCHLÜSSEL EXTRA DÜNN / CHIAVI FISSE EXTRAFINE / CHAVE DE BOCAS EXTRA-FINA / ТОНКИЕ РОЖКОВЫЕ КЛЮЧИ

MM



COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)			
56200	150	6 x 7	7	17	8	20	2,2	21		
56201	175	8 x 9	9	21	10	25	2,6	40		
56202		10 x 11	11		12					
56203	210	12 x 13	13	29	14	34	3,6	85		
56204		14 x 15	16		17				10	I
56205	250	16 x 17	18	38	18	43	4,6	170		B
56206		18 x 19	20		21					
56207		20 x 22								
56208	290	21 x 23	24	49	26	55	5,6	330		
56209		22 x 24								

ISO 3318

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

INCH

COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)			
56210	150	1/4 x 5/16	7	17	8	20	2,2	21		
56211	175	5/16 x 3/8		21		25	2,6	40		
56212		3/8 x 7/16	11		12					
56213	210	7/16 x 1/2	13	29	14	34	3,6	85	10	I
56214		1/2 x 9/16	16		17					B
56215	250	5/8 x 11/16	18	38	18	43	4,6	170		
56216		11/16 x 3/4	20		21			175		
56217	290	13/16 x 7/8	24	49	26	55	5,6	330		

ISO 3318

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

B Cromado aeroespacial / *Aerospatial chrome plating* / Chromée aérospatiale / Verchromt aérospatiale / Cromate satinata / Cromado fosco aeroespacial / Матовый хром

■ SET

■ MM

COD.	PCS.		COD. PCS.	(mm)	(inch)
56226	6	90056	56201, 56202, 56203, 56204, 56205, 56206	8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19	
56227	B 10	90054	56200, 56201, 56202, 56203, 56204, 56205, 56206, 56207, 56208, 56209	6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 22 x 24	-



■ INCH

COD.	PCS.		COD. PCS.	(mm)	(inch)
56228	6	90056	56212, 56213, 56214, 56215, 56216, 56217	3/8 x 7/16 - 7/16 x 1/2 - 1/2 x 9/16 - 5/8 x 11/16 - 11/16 x 3/4 - 13/16 x 7/8	
56229	8	90081	56210, 56211, 56212, 56213, 56214, 56215, 56216, 56217	1/4 x 5/16 - 5/16 x 3/8 - 3/8 x 7/16 - 7/16 x 1/2 - 1/2 x 9/16 - 5/8 x 11/16 - 11/16 x 3/4 - 13/16 x 7/8	

LLAVES ESTRELLA DE DOS BOCAS EXTRAFINAS COMPENSADAS A 15° / SLIM DOUBLE RING WRENCHES 15° BENT / CLÉS POLYGONALE DOUBLE EXTRA-FINES COMPENSÉES À 15° / DOPPEL-RINGSCHLÜSSEL DÜNN 15° GEKRÖPFT / CHIAVI POLIGONALI A DUE BOCCHE A 15° / CHAVE DE LUNETAS EXTRA-FINA DE 15° / ТОНКИЕ КЛЮЧИ ДВОЙНАЯ ЗВЕЗДОЧКА С ИЗГИБОМ НА 15°

■ INCH



COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)			
56230	205	7/32-1/4	11	13	6,5	8,0	4,0	4,0	50		
56231		1/4-5/16				7,5					
56232	235	5/16-3/8	13	16		8,0	4,5	6,0	70	10	I
56233	290	3/8-7/16	17	19	8,0	9,0	5,0		120		B
56234	330	1/2-9/16	20	22	10	11	8,0	6,5	160		

AS95E

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

SET

INCH

COD.	PCS.		COD. PCS.	(inch)
56240	B 5	90056	56230, 56231, 56232, 56233, 56234	7/32-1/4, 1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16



LLAVES ESTRELLA PLANAS DE DOS BOCAS EXTRAFINAS / SLIM FLAT DOUBLE RING WRENCHES / CLÉS POLYGONALE PLATES DOUBLE EXTRA-FINES / DOPPEL-RINGSCHLÜSSEL DÜNN / CHIAVI POLIGONALI PIATTE A DUE BOCHE EXTRAFINE / CHAVE DE LUNETA PLANA EXTRA-FINA / ТОНКИЕ ПЛОСКИЕ КЛЮЧИ ДВОЙНАЯ ЗВЕЗДОЧКА

INCH



COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)			
56235		7/32-1/4							
56236	205	1/4-5/16	11	13	6.5	7.5	50		
56237	235	5/16-3/8	13	16		8.0	75	10	I
56238	290	3/8-7/16	16	19	8.0	9.0	115		
56239	330	1/2-9/16	20	23	9.5	11	160		

DIN 838

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

SET

INCH

COD.	PCS.		COD. PCS.	(inch)
56241	B 5	90056	56235, 56236, 56237, 56238, 56239	7/32-1/4, 1/4-5/16, 5/16-3/8, 3/8-7/16, 1/2-9/16



COMBINADA ACODADA / COMBINATION DEEP OFFSET SPANNER / MIXTE CONTRE-COUDÉE / RINGMAULSCHLÜSSEL / CHIAVE COMBINATA A CONTROGOMITO / БОКА Е LUNETTA CONTRA-COTOVELO / КОМБИНИРОВАННЫЕ КЛЮЧИ С ГЛУБОКИМ ИЗГИБОМ

MM



COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)			
60740	115	6	9,5	17	3,7	12	6,0	5,0	17		
60741	125	7	10	20	4,0	13	6,5	5,5	25		
60742	140	8				14		6,0	23		
60743	145	9	11	23	4,5	15	7,5	7,0	40		
60744	150	10	12			16	8,0	7,5	43		
60745	170	11	14	27	5,0	18	8,5	8,0			
60746	185	12	15			20	9,0	8,5	65		
60747	190	13		30	5,5	21	9,5	12	90		
60748	200	14	16	31		22		16	95		
60749	210	15	18	35	6,0	24	10	18	115		
60750	230	16	19		8,0	26			130		
60751	250	17	20	38		27	12	20	170		
60752	260	18	21	40	8,5	29		21	175		
60753	280	19	22	43		31		23	240		
60755	290	21		46		33	13	24	250		
60756		22	23		9,0				270		
60757	300	23	24	47		34		25	320		
60758	320	24	26	49		36		26	350		
60759	340	25		50	9,5	38	14		380		
60760	350	26	28					30	420		
60761	360	27	29	55	10	39			410		
60762	370	28	30			42	16	32	470		
60763	380	29	32	60		45			550		
60764	400	30	33	65	11	46	18	34	600		
60765	410	32	34	70		47		35	750		

DIN 3113-B

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

SET

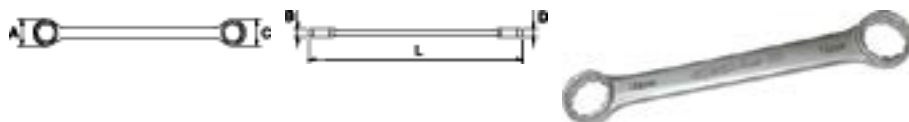
MM

COD.	PCS.		COD. PCS.	(mm)
68568	8	90081	60742, 60743, 60744, 60745, 60746, 60747, 60748, 60751	8, 9, 10, 11, 12, 13, 14, 17
68569	12	90083	60742, 60743, 60744, 60745, 60746, 60747, 60748, 60749, 60751, 60752, 60753, 60756	8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22



ESTRELLA PLANA / DOUBLE ENDED FLAT RING SPANNER / POLYGONALE PLATE / DOPPELRINGSCHLÜSSEL / POLIGONALE DIRITTA / LUNETTA DIREITA / ДВОЙНАЯ ИЗОГНУТАЯ ПЛОСКАЯ ЗВЕЗДОЧКА

MM



COD.	L (mm)	AP mm	A (mm)	B (mm)	C (mm)	D (mm)	g		
60770	120	6-7	12	5	11	5	25		-
60771	135	8-9	15	5,5	13	5,5	30		
60772	150	10-11	17	6,4	16	6,4	50		
60773	165	12-13	21	7	20	7	70		
60774	185	14-15	24	8	21	8	90	10	
60775	210	16-17	27	8,5	24	8,5	120		
60776	225	17-19	29	9	27	9	150		
60777		18-19							
60778	240	20-22	34	10	31	10	200		
60779	255	21-23	35	10,5	32	10,5	240		
60780	270	24-27	39	11	37	11	300	5	
60781	285	25-28	42	13	38	13	360		
60782	335	30-32	48	14	45	14	530		

DIN 837

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

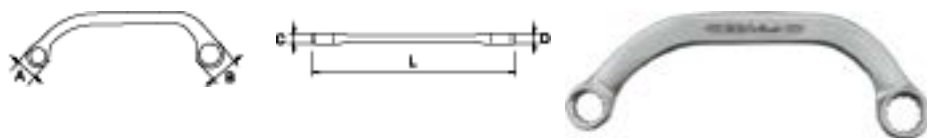
SET

MM

COD.	PCS.		COD. PCS.	(mm)
68589	8	90081	60771, 60772, 60773, 60774, 60775, 60777, 60778, 60779	8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23
68607	12	90083	60770, 60771, 60772, 60773, 60774, 60775, 60777, 60778, 60779, 60780, 60781, 60782	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32

**MEDIA LUNA / HALF MOON / DEMI-LUNE / STARTER BLOCKSCHLÜSSEL / A MEZZALUNA / MEIA-LUNA / ЗВЕЗДОЧКА МЕСЯЦЕМ**

MM



COD.	L (mm)	AP mm	A (mm)	B (mm)	C (mm)	D (mm)	g		
57158	135	6-8	15	19	8,0	8,0	55		
57159		8-10							
60795	150	11-13	20	23	9,0	9,0	90		
57160	175	13-15					110		
60796		13-17					120		
57161	185	14-16	25	28	10	10	160	10	
60797		14-17							
57162	210	17-19	28	31	11	11	210		
60798		19-22	31				280		
57163	230	21-22	32	35	12	12	300		

DIN 475

B Cromado aeroespacial / Aérospatial chrome plating / Chromée aérospatiale / Verchromt aérospatiale / Cromate satinata / Cromado fosco aeroespacial / Матовый хром

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

INCH

NI

COD.	L (mm)	AF inch	A (mm)	B (mm)	C (mm)	D (mm)	g			
57148	135	1/4- 5/16	15	19	8,0	8,0	55			
57149		5/16- 3/8								
57150	155	7/16- 1/2	20	23	9,0	9,0	90			
57151	185	9/16- 5/8	25	28	10	10	160	10	I	B
57152	210	11/16- 3/4	28	31	11	11	210			
57153	230	13/16- 7/8	32	35	12	12	300			

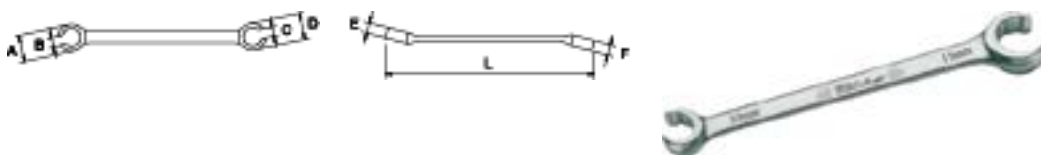
DIN 475

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

PARA RACORES / FLARE NUT / POLYGONALE À TUYAUTER / OFFENER DOPPELRINGSCHLÜSSEL / CHIAVE PER RACCORDI / LUNETAS ABERTAS COM BATENTE / КЛЮЧ ДЛЯ КОНИЧЕСКИХ ГАЕК

MM



COD.	L (mm)	AF mm	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	g			
60785	145	8-10	19	6,0	7,5	21	7,5		45			
60786		9-11		6,5		22		9,0				
60787	150	10-11	21	7,5	9,0	23	8,5		55	10		
60788	165	11-13	22	8,5	10	25		10	100			
60789	180	12-14	25	9,5	11	28	9,0	11				
60790	210	17-19	31	14	15	34	12	13	165		I	B
60791	230	19-22	34	18	17	39	14		200			
60792	250	22-24	39	17	18	41	15		290	8		
60793	260	24-27	42	18	21	46	16	17	280			
60794	280	30-32	48	22	24	50	20	23	460	6		

DIN 3118

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

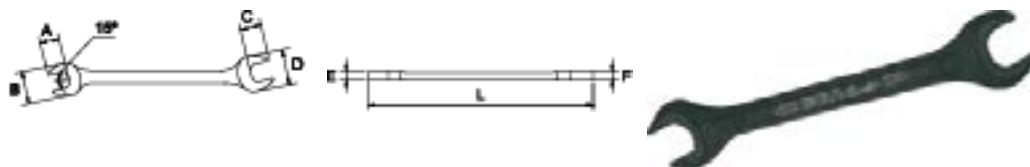
Cr-V

SET

MM

COD.	PCS.		COD. PCS.	(mm)
68587	6	90056	60785, 60788, 60789, 60790, 60792, 60793	8-10, 11-13, 12-14, 17-19, 22-24, 24-27
68588	10	90058	60785, 60786, 60787, 60788, 60789, 60790, 60791, 60792, 60793, 60794	8-10, 9-11, 10-11, 11-13, 12-14, 17-19, 19-22, 22-24, 24-27, 30-32



FIJA / OPEN-END / À FOURCHE / DOPPELMAULSCHLÜSSEL / CHIAVE FISSE / DUAS BOCAS / РОЖКОВЫЙ КЛЮЧ
MM


COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)			
60800	95	6-7	6,5	14	7,5	16	3,2	3,5	20		
60801	100	7-8		17	8,5	19	4,0	3,8	23		
60802	105	8-9	8,5		9,0	20		4,0	32		
60803	115	8-10	9,0	18	10	21	4,5	4,5	30		
60804	125	9-11		19	12	23			35		
60805		10-11		21			5,0	5,0			
60806		10-12	11			26					
60807	130	10-13		22	13				40		
60808		11-13				28					
60809	135	12-13		25			5,5	5,5	50		
60810	140	12-14	12		14				45		
60811		13-14		27		31			55	10	
60812		13-15		28	15			6,0	70		
60813	150	13-16				34	6,0		75		
60814		14-15	14	29	16				80		
60815	155	13-17						6,5			
60816		14-17							85		
60817	160	16-17		33	18	35	6,5		110		
60818		16-18	16	34					135		
60819		17-19		35	19	36			130		
60820	170	18-19			20	38	7,0	7,5	140		
60821		18-21	18	36		39			170		
60822	180	17-22				44		8,0	165		
60823	190	19-22	19	37	22	45	8,0	8,5	180		
60824	195	20-22		38					200		
60825	210	19-24	20	39		46	8,5		240		
60826		21-23	22		23	48			260		
60827	220	21-24	23	44	24	49	9,0	9,0	350		
60828		22-24							400		
60829		22-27	24	48	25	50			450		
60830	240	24-27		49	26	55	9,5		500	5	
60831	250	25-28	25	50	28	60		10	600		
60832	260	24-30			29				650		
60833		27-30	26	55			10		700		
60834	270	27-32	28		30	65		11	750		
60835		30-32		60			11	11	900		
60836	290	30-34	29		32	70		12	1500		
60837		30-36			35		12	13	1600		
60838	300	32-36	30	65	36				2150		
60839	310	34-36	33	70	37	75			3550		
60840	340	36-41	37	75	42	85	14	14	5600		
60841	370	41-46	41	80	43	90	15				
60842	400	46-50		90	50	100		15		1	
60843	450	50-55	48	100	55	110	16				
60799	495	55-60		110		120	18	20			
60766	580	65-70	65	140	70	140	23	23			
60769	660	75-80	85	170	85	160	28	26			

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

■ SET

■ MM

COD.	PCS.		COD. PCS.	(mm)
68585	8	90081	60802, 60805, 60809, 60814, 60817, 60820, 60826, 60828	8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 21-23, 22-24
68586	12	90055	60800, 60802, 60805, 60809, 60814, 60817, 60820, 60824, 60826, 60830, 60831, 60835	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22, 21-23, 24-27, 25-28, 30-32



■ FIJA UNA BOCA / SINGLE ENDED OPEN JAW SPANNER / À FOURCHE / EINMAULSCHLÜSSEL / FISSE SEMPLICE / FIXA DE UMA BOCA / ОДНОРОЖКОВЫЙ КЛЮЧ

■ MM



COD.	L (mm)			A (mm)	B (mm)	C (mm)			
60844	90	8	5/16	7,0	17	3,8	15		
60845	100	9	-	9,5	20	3,9	18		
60846	105	10	-	11	22	4,5	20		
60847	110	11	7/16	12	23		23		
60848	125	12	-	13	25	5,5	27		
60849	130	13	-	14	28		37		
60850	140	14	9/16	15	29	6,0		10	
60851	150	15	-	16	32		42		
60852	155	16	-	16	32				
60853	160	17	-	17	34	6,5	60		1
60854	165	18	-	18	36				
60855	170	19	3/4	20	39	7,5	75		
60856	180	21	-		43		100		
60857	195	22	7/8	23	45	8,5	120		
60858	210	24	-		48	9,5	140		
60859	240	27	1.1/16	27	55		180		
60860	260	30	1.3/16	29	60	10	300		
60861	270	32	-	32	65	12	310		
60862	280	34	1.11/32	33	70	13	400	5	
60863	300	36	-	37					
60864	320	38	1.1/2	41	75	14	420		
60865	340	41	1.5/8	42	85		550		
60866	370	46	1.13/16	44	90	15	800		
60867	390	50	-	50	100	16	1050		
60868	440	55	-	55	110	17	1200		
60869	470	60	2.3/8		120		1550		
60870	500	65	2.9/16	60	130	18			
62984	550	70	2.3/4		140	19	2250		
62985	600	75	-		150	20	2850		
62986		80	-		160	21	3600		
62987	650	85	-	70	170	22	3500	1	
62988		90	-				4800		
62989	750	95	-	75	190	24	4600		
63848		100	-				7700		
63849	1000	105	-	105	220	29	8000		

DIN 894

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

SET

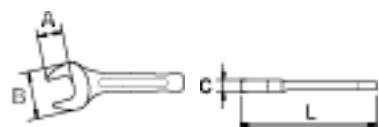
MM

COD.	PCS.		COD. PCS.	(mm)
68608	8	90081	60844, 60846, 60847, 60848, 60849, 60850, 60853, 60855	8, 10, 11, 12, 13, 14, 17, 19
68609	12	90083	60844, 60845, 60846, 60847, 60848, 60849, 60850, 60852, 60853, 60854, 60855, 60857	8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22



FIJA DE GOLPE / SLOGGING OPEN WRENCH / À FOURCHE À FRAPPER / SCHLAGMAULSCHLÜSSEL / FISSE AD IMPULSO / BOCA DE IMPACTO / УДАРНЫЙ РОЖКОВЫЙ КЛЮЧ

MM



COD.	L (mm)		A (mm)	B (mm)	C (mm)			
67423	125	17	19	41		0,1		
67424		19						
67425	135	21	22	46	12	0,2		
67426		22						
60871	150	24	24	50			5	1
60903		26				0,4		
60872	175	27	27	60	15			
60873	190	30	30	65	16	0,6		
60874		32	32					
67427	200	34	34	70	17			
60875	210	36	36	75		0,7		
67428	220	38	38	80	18	0,8		
60876	230	41	41	90		0,9		
60877	250	46	46	100	20	1,5		
60878		50						
67563	280	52	50	110	21			
67435	305	54		117		2		
60879	300	55	55	120	23			
67436	305	56		117				
60880	320	60	60	130		3		
60927	340	65	65	140	28	5	1	-
60928	370	70	70	160	29	6		
60929	380	75	75					
60930		80				7		
60931	400	85	85	175	32			
60932		90				10		
60933	450	95	95	195	36	11		
60934		100						
60935	490	105	105		43	14		
60936		110		230				
60937	500	115	115		45			
60938		120				19		
67429	550	125	125	250	50			

COD.	L (mm)		A (mm)	B (mm)	C (mm)			
67430	550	130	135	270	50	19		
67431		135						
67432		140	145	290	55	24		
67433	650	145	150					
67434		150	150					
57050	645	155	160	310	60	27		
57051		160						
57052	705	165	170	330		30	1	-
57053		170			65			
57054	720	175	180	350		33		
57055		180						
57056	755	185	190	370		39		
57057		190			70	46		
57058	760	195	200	390		50		
57059		200						

DIN 133

INCH



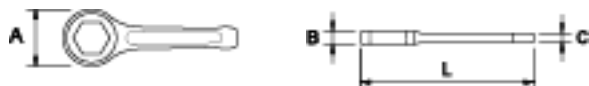
COD.	L (mm)	AF ^{inch}	A (mm)	B (mm)	C (mm)	Kg		
67437	125	3/4		41	7	0,1		
67438	135	7/8	12	47		0,2		
67439	150	15/16		50	8			
60966		1				0,4	5	I
60967	165	1.1/16	14	60	9			
67440		1.1/8				0,5		
60968		1.3/16						
60969	190	1.1/4	16	70	10	0,6		
67441		1.5/16						
67442	210	1.3/8	17	75		0,7		
67443		1.7/16						
67444	220	1.1/2	18	80	12	0,8		
67445		1.9/16						
60970	230	1.5/8	19	90		0,9		
67446		1.11/16						
67447		1.3/4						
60971	250	1.13/16	20	100	13	1,2		
67448		1.7/8						
67449	280	1.15/16	21	110		1,4		
60972		2			14			
67450		2.1/16						
67451	310	2.1/8	23	120		1,8		
67452		2.3/16						
67453		2.1/4						
67454		2.5/16		130	15	2,1		
60973		2.3/8						
67455	320	2.7/16	24					
67456		2.1/2						
60974		2.9/16		135	16	2,9	1	-
67457		2.5/8						
67458		2.11/16						
60975	330	2.3/4	26	140	17	3,6		
67459		2.13/16						
67460		2.7/8						
60976	340	2.15/16	28	150	18	4		
60977		3						
67461		3.1/16						
60978		3.1/8						
67462	360	3.1/4	29	160	19	5,5		
67463		3.5/16						
67464		3.3/8						
67465		3.7/16						
67466		3.1/2						
67467	400	3.9/16	33	185	22	7		
67468		3.5/8						
67469		3.11/16						
60979		3.3/4						
67470	430	3.13/16	40	200	24	11		
67471		3.7/8						

COD.	L (mm)	AF ^{inch}	A (mm)	B (mm)	C (mm)	Kg		
67472		3.15/16						
60980		4						
67473	430	4.1/16	40	200	24	11		
60981		4.1/8						
67474		4.3/16						
67475		4.1/4						
67476		4.5/16						
67477	500	4.3/8	45	240	25	14		
60982		4.1/2						
67478		4.9/16						
67479		4.5/8						
67480		4.11/16						
67481		4.3/4						
67482		4.13/16		250	27	16		
67483		4.7/8						
67484	550	4.15/16	50					
67485		5						
67486		5.1/4						
67487		5.5/16						
67488		5.3/8		270	30	18		
67489		5.1/2					1	-
67490	650	5.3/4	55	290	32	24		
67491		6						
58075		6.1/8						
58076	645	6.1/4	160	305	60	28		
58077		6.3/8						
58078		6.1/2						
58079	705	6.9/16	170	325		34		
58080		6.5/8						
58081		6.3/4			65			
58082		6.7/8						
58083	720	7	180	345		38		
58084		7.1/8						
58085		7.1/4						
58086	755	7.3/8	190	365		42		
58087		7.1/2						
58088		7.5/8			70			
58089		7.9/16						
58090	770	7.3/4	200	385		48		
58091		7.7/8						
58092		8						

DIN 133

ESTRELLA DE GOLPE / SLOGGING RING / POLYGONALE À FRAPPER / SCHLAG RINGSCHLÜSSEL / POLIGONALE AD IMPULSO / LUNETA DE IMPACTO / УДАРНЫЙ КЛЮЧ
ЗВЕЗДОЧКА

MM



COD.	L (mm)	AF mm	A (mm)	B (mm)	C (mm)	Kg		
68927	145	17	32	12	7			
68928		19						
68929	155	22	38	13	8	0,2		
68930	165	24	42	14	9			
68931	175	27	46		10	0,3		
68932		30	50	16		0,4	5	1
68933	185	32	55		11	0,5		
68934	210	36	60	19		0,6		
68935	230	41	65	20	12	0,7		
68936	240	46	75	22	13	1		
68937	250	50	80	23		1,2		
68938		55	85	24	14	1,4		
68939	270	60	90	26	15	1,6		
68940	300	65	100	30	16	1,9		
68941	320	70	105	32	17	2,3		
68942	330	75	115	33	18	2,9		
68943	350	80	125	34	19	3,6		
68944	360	85	130	36	20	3,9	1	-
68945	380	90	135	39	23	4,8		
68946	410	100	148	43	25	5,8		
68947	450	110	170	45	28	8		
68948	480	120	180	50	30	10		
68949	510	130	200	55	31	12		
68950	520	140	210					
68951	570	150	220	60	32	14		
68952	590	160	240		33	16		

DIN 7444

INCH

COD.	L (mm)	AF inch	A (mm)	B (mm)	C (mm)	Kg		
68687	145	5/8	32	12	7			
68614		3/4				0,2		
68615	155	7/8	38	13	8			
68616	165	15/16	42	14	9			
68617		1	46		10	0,3		
68618	175	1.1/16						
68619		1.1/8	50	16		0,4	5	1
68620	185	1.3/16						
68621		1.1/4	55		11			
68622		1.5/16		18		0,5		
68623	210	1.3/8		19				
68624		1.7/16	60					
68625	220	1.1/2						
68626		1.9/16						
68627	230	1.5/8	65	20	12	0,7		
68628		1.11/16					1	-
68629	240	1.3/4	75	22	13	1		

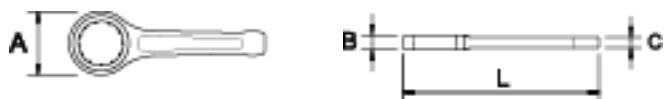
COD.	L (mm)	AF inch	A (mm)	B (mm)	C (mm)	Kg		
68630	240	1.13/16	75	22	13			
68631		1.7/8				1		
68632	250	1.15/16	80	23				
68633		2						
68634		2.1/16			14			
68635		2.1/8	85	24		1,4		
68636		2.3/16						
68637	270	2.1/4						
68638		2.5/16	90	26	15	1,6		
68639		2.3/8						
68640		2.7/16						
68641		2.1/2						
68642	300	2.9/16	100	30	16	2,3		
68643		2.5/8						
68644		2.11/16						
68645	320	2.3/4	110	32	17	2,5		
68646		2.13/16						
68647		2.7/8						
68648	330	2.15/16	115	33	18	3,2		
68649		3						
68650	350	3.1/16	125	34	19	3,6		
68651		3.1/8						
68652		3.1/4						
68653	360	3.5/16	130	36	20	3,9		
68654		3.3/8						
68655	380	3.1/2	135			4,8		
68656		3.9/16						
68657		3.5/8		39	23		1	-
68658	390	3.11/16	140			5,2		
68659		3.3/4						
68660		3.13/16						
68661	410	3.7/8	150			5,8		
68662		3.15/16		43	25			
68663		4						
68664	420	4.1/16	155			6,5		
68665		4.1/8						
68666		4.3/16						
68667		4.1/4	160			8		
68668		4.5/16						
68669	450	4.3/8		45	28			
68670		4.1/2	170			9,6		
68671		4.9/16						
68672		4.5/8						
68673		4.11/16						
68674		4.3/4	180	50	30	11		
68675		4.13/16						
68676		4.7/8						
68677		4.15/16						
68678		5						
68679		5.1/4	200	55	31			
68680	520	5.5/16				12		
68681		5.3/8	210					
68682		5.1/2		60	32			
68683	570	5.3/4	220			14		
68684	590	6				16		

DIN 7444

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

MM



COD.	L (mm)	AF (mm)	A (mm)	B (mm)	C (mm)	Kg		
67310	17							
67311	18		32	12	7			
67312	19							
67313	20							
67314	21		38	13	8	0,2		
67315	22							
67316	23							
60881	24		42	14	8,5			
67317	25							
60904	26							
60882	27		46		9,5			
67318	28					0,3		
67319	29		50	16			5	
60883	30					0,4		
67320	31							
60884	32		55		11			
67321	33			18		0,5		
67322	34							
67323	35			19				
60885	36		60			0,6		
67324	37							
67325	38			20	12			
60886	41		65			0,7		
60887	42							
67326	45							
60888	46		75	22	13			
67327	47					1		
67422	48							
60889	50		80	23				
67328	52				14	1,2		
67329	54							
60890	55		85	24				
67330	56					1,4		
67331	58							
67332	59							
60891	60		90		15			
67333	61			26		1,6		
67334	62							
67335	63						1	
67336	64							
60939	65		100		16			
67337	66			30		1,9		
67338	67							
67339	68							
67340	69		110					
60940	70			32	17	2,3		
67341	71							
67342	72							
67343	73							
67499	74		115	33	18	2,9		
60941	75							

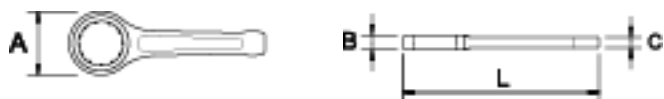
COD.	L (mm)	AF (mm)	A (mm)	B (mm)	C (mm)	Kg		
67344	76		115	33	18	2,9		
67345	77							
67346	78							
67347	79		125	34	19	3,6		
60942	80							
67348	82							
67492	84		130	36	20	3,9		
60943	85							
67349	88		135			4,8		
60944	90			39	23			
67350	94		145			5,2		
60945	95							
67351	98							
60946	100		150	43	25	5,8		
67308	102							
60947	105		155			6,5		
67368	108							
60948	110		170	45	28	8		
60949	115					9,5		
60950	120		180	50	30	10		
67352	125							
67353	130		195	55	31	12		
67354	135							
67355	140		210					
67356	145							
67357	150		220		32	14		
67358	155			60				
67359	160		240		33	16		
67360	165							
67361	170		270	65	34	25		
67362	175							
67363	180							
67364	185		280	70		33		
67365	190				35			
67366	195		300	75		36		
67367	200							

DIN 7444

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

INCH



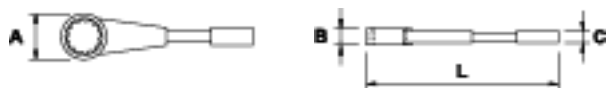
COD.	L (mm)	AF ^{inch}	A (mm)	B (mm)	C (mm)	Kg		
67369	100	1/2	24	9	5	0,1		
67370	145	3/4	32	12	7			
67371	155	7/8	38	13	8	0,2		
67372	165	15/16	42	14	9			
60983	175	1	46		10	0,3		
60984		1.1/16						
67373		1.1/8	50	16		0,4		
60985	185	1.3/16						
60986		1.1/4	55		11		5	1
67374		1.5/16		18		0,5		
61294	210	1.3/8	60	19				
67375		1.7/16						
61295	220	1.1/2						
61296		1.9/16						
60987	230	1.5/8	65	20	12	0,7		
67376		1.11/16						
67377		1.3/4						
60988	240	1.13/16	75	22	13			
67378		1.7/8				1		
67379		1.15/16						
60989	250	2	80	23				
67380		2.1/16			14			
67381		2.1/8	85	24		1,4		
67382		2.3/16						
67383	270	2.1/4						
67384		2.5/16	90	26	15	1,6		
60990		2.3/8						
67385		2.7/16						
67386		2.1/2						
60991	300	2.9/16	100	28	16	2,3		
67387		2.5/8						
67388		2.11/16						
60992	320	2.3/4	110	32	17	2,5		
67389		2.13/16						
67390		2.7/8					1	-
60993	330	2.15/16	115	33	18	3,2		
60994		3						
67391		3.1/16						
60995	350	3.1/8	125	34	19	3,6		
67392		3.1/4						
67393	360	3.5/16	130	36	20	3,9		
67394		3.3/8						
67395		3.1/2						
67396	380	3.9/16	135			4,8		
67397		3.5/8		39	23			
67398	390	3.11/16	140			5,2		
60996		3.3/4						
67399		3.13/16						
67400	410	3.7/8	150	43	25	5,8		
67401		3.15/16						
60997	420	4	155			6,5		

COD.	L (mm)	AF ^{inch}	A (mm)	B (mm)	C (mm)	Kg		
67402	420	4.1/16	155	43	25	6,5		
60998		4.1/8						
67403		4.3/16						
67404		4.1/4	160			8		
67405	450	4.5/16		45	28			
67406		4.3/8						
60999		4.1/2	170			9,6		
67407		4.9/16						
67408		4.5/8						
67409		4.11/16						
67410	480	4.3/4	180	50	30	11		
67411		4.13/16						
67412		4.7/8						
67413		4.15/16						
67414		5						
67415		5.1/4	200	55	31			
67416	520	5.5/16				12		
67417		5.3/8	210					
67418		5.1/2						
67419	570	5.3/4		60	32	14	1	-
67420	590	6	220			16		
57136	565	6.1/8				13,7		
57139		6.1/4						
58055	585	6.3/8	240	58	33	16		
58056		6.1/2						
58057		6.9/16						
58058		6.5/8						
58059	645	6.3/4	265	64	34	25		
58060		6.7/8						
58061		7						
58062		7.1/8						
58063	685	7.1/4	285	70		33		
58064		7.3/8						
58065		7.1/2			35			
58066		7.9/16						
58067		7.5/8						
58068	710	7.3/4	295	75		36		
58069		7.7/8						
58070		8						

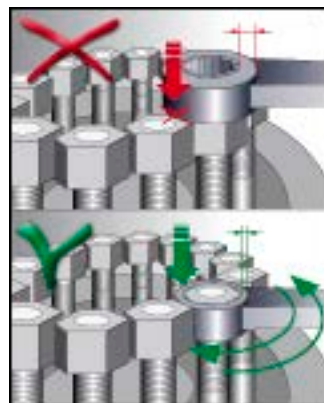
DIN 7444

LLAVES ESTRELLA DE GOLPE DE PARED FINA / SLOGGING RING WRENCH THIN WALL / CLÉS POLYGALES À FRAPPER À PAROI FINE / SCHLAGRINGSCHLÜSSEL DUNNWANDIG / CHIAVE POLIGONALI IMPACT PARETE FINA / CHAVES LUNETA DE PANCADA DE PAREDE FINA / КЛЮЧ НАКИДНОЙ УДАРНЫЙ ТОНКОСТЕННЫЙ

MM



COD.	L (mm)	AF mm	A (mm)	B (mm)	C (mm)	Kg		
56300	250	27	43	16	17	0,6	5	I
56301	256	30	47	18	19	0,75		
56302	260	32	49	19				
56303	270	36	55	22	21	1,05		
56304	278	41	61	24	23	1,25		
56305	287	46	67	26	24	1,50	1	-
56306	296	50	72	28	25	1,75		
56307	303	55	78	30	27	2		
56308	315	60	85	33	28	2,35		
56309	322	65	93	35	29	2,65		
56310	325	70	99	37	30	2,9		
56311	338	75	106	39	31	3,3		
56312	348	80	112	42	32	3,7		
56313	350	85	119	43		4		
56314	353	90	126		33	4,25		
56315	358	95	133	44		4,6		
56316	366	100	139			4,9		
56317	375	105	147					
56318	382	110	157	45	34	6,5		
56319	390	115	163			7,2		
56320	405	120	174	47	35	8		



INCH

COD.	L (mm)	AF inch	A (mm)	B (mm)	C (mm)	Kg		
56321	250	1.1/16	43	16	17	0,6	5	I
56322	260	1.1/4	49	19	21	0,75		
56323	270	1.7/16	55	22		1,05		
56324	278	1.5/8	61	24	22.5	1,25		
56325	287	1.13/16	67	26	24	1,5		
56326	296	2	72	28	25	1,75	1	-
56327	303	2.3/16	78	30	26.5	2		
56328	315	2.3/8	85	33	28	2,35		
56329	322	2.9/16	93	35	29	2,65		
56330	325	2.3/4	99	37	30	2,9		
56331	338	2.15/16	106	39	31	3,3		
56332	348	3.1/8	112	42	32	3,7		
56333	353	3.1/2	126		33	4,25		
56334	366	3.7/8	139	44		4,9		

LLAVE ESTRELLA DE GOLPE CURVA / CURVED SLOGGING RING WRENCH / CLÉ POLYGONALE À FRAPPER COURBÉE / ZUGSCHLAGRINGSCHLÜSSEL, GEBOGEN /
POLIGONALE AD IMPULSO A CURVA / CHAVE LUNETA CURVA DE PANCADA / УДАРНЫЙ ИЗОГНУТЫЙ РОЖКОВЫЙ КЛЮЧ

MM



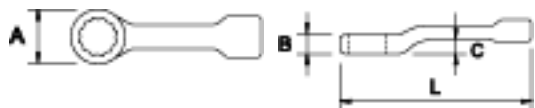
N!

COD.	L (mm)		A (mm)	B (mm)	C (mm)			
54950	140	22	42	14	9	0,2	1	
54951	160	24				0,3		
54952	175	27	46		10	0,4		
54953		30		16				
54954	190	32	55		11	0,5		
54955	210	36	60	19		0,6		
54956	230	41	65	20	12	0,9		
54957	240	46	75	22	13	1,1		
54958	260	50	80	23	14	1,3		
54959	270	55	85	24		1,5		
54960	290	60	90	26	15	2		
54961	300	65	100	30	16	2,5		
54962	320	70	110	32	17	2,8		
54963	330	75	115	33	18	3,2		



ESTRELLA DE GOLPE ACODADA / OFFSET SLOGGING RING / CLÉ POLYGONALE À FRAPPER CONTRE-COUDÉE / SCHLAGRINGSCHLÜSSEL GEKRÖPFT / CHIAVE A BATTERE POLIGONALE / LUNETA INCLINADA DE PANCADA / КЛЮЧ НАКИДНОЙ УДАРНЫЙ

MM



COD.	L (mm)	AF mm	A (mm)	B (mm)	C (mm)	Kg		
55000		22						
55001	240	24	42	18	23	0,9		
55002	270	27	50	20	26	1,2		
55003	280	30		22	28	1,4	5	1
55004	290	32	55	23	29	1,6		
55005	300	36	65	25	31	1,8		
55006		38						
55007	320	41	70	26	32	2		
55008	340	46		27	34	2,6		
55009	350	50	80	32	38	3		
55010	360	55	85	33	39	3,9		
55011	380	60	90	35	41			
55012	390	65	95	38	44	4,0		
55013	400	70	105	41	47	5,0		
55014	420	75	110	43	49	5,5		
55015	440	80	125	45	50	7,0		
55016	460	85				7,5		
55017		90						
55018	480	95	140	47		9,0	-	-
55019		100			55			
55020	520	105	155	49		11		
55021		110						
55022	550	115	170	50	60	12		
55023		120						
55024	590	125	180	55	64	14		
55025		130						
55026	620	135	200	60	70	16		

INCH

COD.	L (mm)	AF inch	A (mm)	B (mm)	C (mm)	Kg		
55027		7/8						
55028	240	15/16	42	18	23	0,9		
55029		1						
55030	270	1.1/16	50	20	26	1,2		
55031		1.1/8						
55032	280	1.3/16		22	28	1,4	5	1
55033		1.1/4						
55034	290	1.5/16	55	23	29	1,6		
55035		1.3/8						
55036	300	1.7/16	65	25	31	1,8		
55037		1.1/2						
55038		1.9/16						
55039	320	1.5/8	70	26	32	2		
55040		1.11/16						
55041		1.3/4						
55042	340	1.13/16		27	34	2,6		
55043		1.7/8						

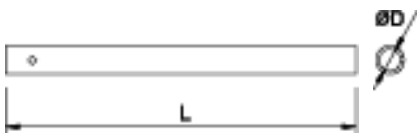
COD.	L (mm)	AF inch	A (mm)	B (mm)	C (mm)	Kg		
55044		1.15/16						
55045	350	2	80	32	38	3		
55046		2.1/16						
55047	360	2.1/8	85	33	39	3,9		
55048		2.3/16						
55049		2.1/4						
55050		2.5/16						
55051	380	2.3/8	90	35	41	4,1		
55052		2.7/16						
55053		2.1/2						
55054	390	2.9/16	95	38	44	4,2		
55055		2.5/8						
55056		2.11/16						
55057	400	2.3/4	105	41	47	5,1		
55058		2.13/16						
55059		2.7/8						
55060	420	2.15/16	110	43	49	5,5		
55061		3						
55062		3.1/16						
55063	440	3.1/8				6,9		
55064		3.1/4	125	45	50			
55065		3.5/16						
55066	460	3.3/8				7,3		
55067		3.1/2						
55068		3.9/16						
55069		3.5/8	140	47		8,8		
55070		3.11/16						
55071		3.3/4						
55072		3.13/16			55			
55073		3.7/8						
55074		3.15/16						
55075		4	155	49		10,9		
55076	520	4.1/16						
55077		4.1/8						
55078		4.3/16						
55079		4.1/4						
55080		4.5/16						
55081		4.3/8	170	50	60	12		
55082	550	4.1/2						
55083		4.9/16						
55084		4.5/8						
55085		4.11/16						
55086		4.3/4						
55087	590	4.13/16	180	55	64	14		
55088		4.7/8						
55089		4.15/16						
55090		5						
55091	620	5.1/4	200	60	70	16		
55092		5.1/16						

LLAVE ESTRELLA ACODADA PARA EXTENSIÓN / OFFSET RING SPANNER FOR EXTENSION / CLÉ POLYGONALE CONTRE COUDÉE À RALLONGE / RINGSCHLÜSSEL FÜR VERLÄNGERUNG / CHIAVE POLIGONALE PER ESTENSIONE / CHAVE INGLESA DESLOCADA DO ANEL PARA A EXTENSÃO / ИЗОГНУТАЯ ЗВЕЗДОЧКА ДЛЯ УДЛИНИТЕЛЯ

MM



COD.	L (mm)		A (mm)	B (mm)	C (mm)			
65888	180	24	17	38	18	390	1	
65889	190	27		42		420		
65890	200	30		48		500		
65891	230	32	18	49	21	750		
65892	240	36		55		800		
65893	260	38	21	60				
65894		41						
65895	280	46	23	70	24	1150		
65896	290	50	25	75		1350		
65897	300	55	28	80		1450		
65898	340	60	31	90	29	2150		
65899	350	65	33	100		2500		
65900	360	70	36	105		2850		
65901	370	75	38	110	45	2050		
65902	380	80	41	125		29		3750
65903		85						3550
65904	410	90	45	140	29	5150		
65905		95				4900		
65906	420	100		150				5000
65907		105						4900


EXTENSIÓN PARA LLAVE ESTRELLA ACODADA / EXTENSION FOR OFFSET RING SPANNER / RALLONGE DE CLÉ POLYGONALE CONTRE-COUDÉE / VERLÄNGERUNG FÜR RINGSCHLÜSSEL / ESTENSIONE PER CHIAVI POLIGONALI / EXTENSÃO PA CHAVE LUNETAS CURVA / УДЛИНИТЕЛЬ ДЛЯ КЛЮЧА ИЗОГНУТАЯ ЗВЕЗДОЧКА


COD.	AF mm	O.D. mm	L (mm)	g	
65909	24-30	18	460	750	1
65910	32-41	21	600	1150	
65911	46-55	24	750	2750	
65912	60-105	29	850	2850	

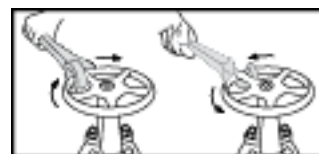


LLAVE DE VÁLVULA / VALVE SPANNER / CLÉ POUR VALVE / VENTILSCHLÜSSEL / CHIAVE A VALVOLA / CHAVE DE VÁLVULA / КЛАПАНЫЙ КЛЮЧ

INCH



COD.	L (mm)	Ø x (inch)	Ø y (mm)	Kg	
62803	210	2-7	<= 12	0,2	1
62804	400	8-15	<= 24	1,3	
62805	490			1,7	
62806	800	16-20	<= 30	5,5	



MM

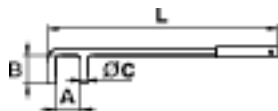


N!

COD.	L (mm)	Ø x (mm)	Ø y (mm)	Kg	
54972	550	125-250	<= 35	1,4	1


GANCHO GIRADOR DE VÁLVULAS / VALVE WHEEL HOOK / FIXATION GIRATOIRE DE VALVE / VENTILHAKEN / GANCIO GIREVOLE PER VALVOLE / GANCHO DE RODA VÁLVULAS / КЛЮЧ ДЛЯ ОТКРЫТИЯ КЛАПАНОВ

MM



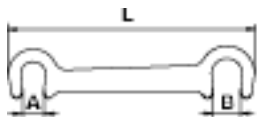
N!

COD.	L (mm)	Kg	mm	
54974	300	0,45	32	1
54975	350	0,5	45	
54976	400	0,8	50	
54977	450	1	55	
54978	500	1,2	60	
54979	550	1,4	65	
54980	600	1,5	70	
54981	650		75	
54982	700	1,6	80	
54983	750	2,3	85	
54984	800	2,4	90	
54985	850	2,5	93	
54986	900	2,6	96	
54987	950	2,8	100	
54988	1000	2,9	103	
54989	1200	5,5	105	



■ LLAVE EN "C" DOBLE / DOUBLE C WRENCH / CLÉ EN DOUBLE C / DOPPEL C SCHLÜSSEL / CHIAVE DOPPIA A C / CHAVE EM C DUPLA / ДВОЙНОЙ С-ОБРАЗНЫЙ КЛЮЧ

■ MM

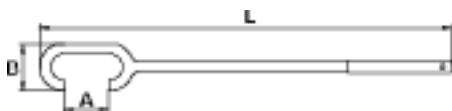


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COD.	L (mm)				
54992	200	14	18	0,4	1
54993	250	17	25	0,6	
54994	450	25	34	2,3	


■ LLAVE EN "C" / C WRENCH / CLÉ EN C / C SCHLÜSSEL / CHIAVE A C / CHAVE EM C / С-ОБРАЗНЫЙ КЛЮЧ

■ MM

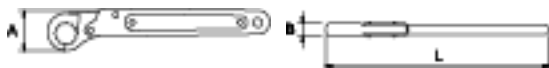


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COD.	L (mm)			
54997	450	40	1,3	1


■ LLAVE DE CARRACA PARA RACORES / RATCHETING RING WRENCH / CLÉ À TUYAUTER À CLIQUET / KNARRENROHR SCHLÜSSEL / CHIAVE A CRICCO PER RACCORDI / CHAVE LUNETA ABERTA COM ROQUETE / КЛЮЧ ЗВЕЗДОЧКА С ТРЕЩЕТКОЙ

■ MM



COD.	L (mm)		A (mm)	B (mm)				
65089	135	10	24	7,0	6	I	80	
65090		11					85	
65091		12						
65092		13						
65093		14					90	
65095	185	17	30	8,0			140	
65096		19	32				180	
65098		230	22	39			11	230
65099	24							
65100	320	27	49	13			-	320
65102		32	50	18				


■ SET

■ MM

COD.	PCS.		COD. PCS.	(mm)
68582	10	90058	65089, 65090, 65091, 65092, 65093, 65095, 65096, 65098, 65099, 65100	10, 11, 12, 13, 14, 17, 19, 22, 24, 27



LLAVE DE GANCHO ARTICULADA / ADJUSTABLE HOOK SPANNER / CLÉ À ERGOT ARTICULÉE / ZANGE MIT VERSTELLBARE BACKE / CHIAVE A SETTORE REGOLABILE / CHAVE DE GANCHO ARTICULADA / РУГУЛИРУЕМЫЙ КЛЮЧ КРЮК

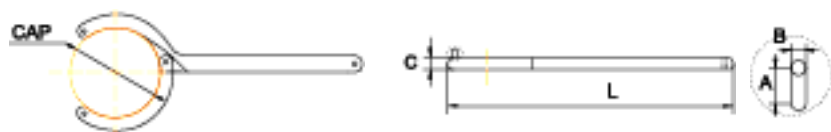

N!

COD.	L (mm)	CAP. Ø (mm)	CAP. Ø (inch)	A (mm)	B (mm)	C (mm)	g		
67981	160	19-50	3/4-2	4,0	3,5	9	110		
67982	205	32-75	1.1/4-3			11	225		
67983	290	50-120	2-4.3/4	4,5	4,0	12	450	6	I
67984	310	115-170	4.1/2-6.3/4	5,0	4,5	13	580		


LLAVE DE GANCHO CON PIN ARTICULADA / ADJUSTABLE HOOK SPANNER WITH PIN / CLÉ À ERGOT ARTICULÉE AVEC CROCHET / VERSTELLBARE HAKENSCHLÜSSEL MIT PIN / CHIAVE A SETTORE ARTICOLATA CON PIN / CHAVES DE UNHA ARTICULADA COM PIN / КЛЮЧ-КРЮК С ШАРНИРОМ

N!

COD.	L (mm)	CAP. Ø (mm)	CAP. Ø (inch)	g		
58120	170	15-35	19/32-1.3/8	100		
58121	200	35-50	1.3/8-2	180	10	
58122	280	50-80	2-3.3/4	380		I
58123	345	80-120	3.3/4-4.11/16	660		
58124	490	120-150	4.11/16-5.7/8	1440	5	



N!

COD.	L (mm)	CAP. Ø (mm)	A (mm)	B (mm)	C (mm)	Kg		
54966	150	18-40	5	4	8	0,1		
54967	220	40-80	7	5	10	0,3		
54968	300	80-125	8	6	12	0,6	6	I
54969	410	125-200	10	8	14	1,6		


LLAVE DE GANCHO / HOOK SPANNER / CLÉ À ERGOT / ECKZANGE / CHIAVE A SETTORE / CHAVE DE GANCHO / КЛЮЧ КРЮК


COD.	L (mm)	CAP. Ø (mm)	CAP. Ø (inch)	A (mm)	B (mm)	C (mm)	g		
68283	110	12-14	1/2-9/16		1,8	1,8	16		
68284		16-20	5/8-25/32	3	2	2,3	20		
68285	120	25-28	1-1.1/8		2,3		40		
68286		30-32	1.3/16-1.1/4	4	2,5		60		
68287	150	34-36	1.5/16-1.13/32			2,5	90		
68288		40-42	1.9/16-1.21/32	5	3		100		
68289	180	45-50	1.3/4-2				150		
68290		52-55	2.1/16-2.3/16	6	3,5	3	160		
68291	210	58-62	2.9/32-2.7/16				210		
68292		68-75	2.11/16-3	7	4	3,5	250	6	I
68293	240	80-90	3.1/8-3.1/2				370		
68295		95-100	3.3/4-4	8			410		
68296	280	110-115	4.5/16-4.9/16		5	4	700		
68297		120-130	4.11/16-5.1/8	10			750		
68298	320	135-145	5.5/16-5.3/4				1050		
68299		150-165	5.7/8-6.1/2	12		6	1150		
57640	380	180-195	7.1/8-7.5/8	25	6		1800		
57641		205-220	8.1/8-8.5/8	26		14	1900		



COD.	L (mm)	CAP. Ø (mm)	CAP. Ø (inch)	A (mm)	B (mm)	C (mm)	g		
57642	460	230-245	9.1/8- 9.5/8	30	8	16	3530		
57643		260-270	10.1/4-10.5/8				3600	6	I
57644	550	280-300	11.1/8-11.3/4	41	10		5430		

DIN 1810

LLAVE DE GANCHO CON PIN / HOOK SPANNER WITH PIN / CLÉ À ERGOT AVEC CROCHET / HAKENSCHLÜSSEL MIT PIN / CHIAVE A SETTORE CON PIN / CHAVES DE UNHA COM PIN / КЛЮЧ-КРЮК

N!

COD.	L (mm)	CAP. Ø (mm)	CAP. Ø (inch)	A (mm)	B (mm)	g			
58100	110	16-18	5/8-11/16	2,2	2,5	25	20		
58101		20-22	25/32-7/8						
58102		25-28	1-1.1/8		3	50			
58103	135	30-32	1.3/16-1.1/4	3					
58104		34-36	1.5/16-1.13/32		4	80	10		
58105	170	40-42	1.9/16-1.21/32	3,5					
58106		45-50	1.3/4-2			180			
58107	205	52-55	2.1/16-2.3/16	4	5				
58108		58-62	2.9/32-2.7/16			280	25		I
58109	240	68-75	2.11/16-3	5					
58110		80-90	3.1/8-3.1/2		6	435	15		
58111	280	95-100	3.3/4-4	6					
58112		110-115	4.5/16-4.9/16			800	10		
58113	335	120-130	4.11/16-5.1/8		8				
58114		135-145	5.5/16-5.3/4			1250			
58115	385	155-165	5.15/16-6.1/2	8			5		
58116		180-195	7-7.11/16		10	2100			
58117	465	205-220	8-8.11/16						


LLAVE FIJA ACODADA PARA ESTRUCTURA / OFFSET OPEN END STRUCTURAL WRENCH / CLÉ À FOURCHE CONTRE-COUDÉE POUR STRUCTURE MÉTALLIQUE / MAULSCHLÜSSEL GEKROPT MIT DORN / CHIAVE FISSA PER PONTEGGI / CHAVE BOCA INCLINADA PARA ESTRUTURA / КЛЮЧ ГАЕЧНЫЙ ОДНОСТОРОННИЙ ВИЛКООБРАЗНЫЙ СТРОИТЕЛЬНЫЙ

MM



COD.	L (mm)	AF _{mm}	A (mm)	B (mm)	C (mm)	g			
64912		17	24	7,5		210			
64913	350	19	40	9	24	300			
64914		22	46	11		410			I
64915		24	49		28	450			
64916	370	27	55			600			
64917		30		13		800			
64918	400	32	65		32		1		
64919	430	36	70	14	36	900			
64920	470	41	80	15	41	1200			
64921	500	46	90	16	46	1500			
64922		50	100	17	48	1800			
64923	550	55	110	18	50	2000			



INCH

COD.	L (mm)	AF _{inch}	A (mm)	B (mm)	C (mm)	g			
64924		3/4	40	9		300			
64925	350	7/8	46		24	410			
64926		15/16		11			1		I
64927	370	1	49		28	450			
64928		1.1/16							



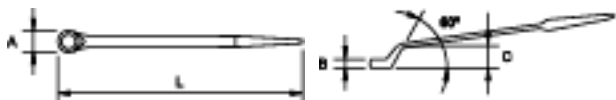
09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

COD.	L (mm)	AF $\frac{\text{inch}}{\text{mm}}$	A (mm)	B (mm)	C (mm)	g		
64929	400	1.1/8	65	13	32	750	1	
64930		1.3/16						
64931		1.1/4						
64932		1.5/16						
64933	430	1.3/8	80	15	41	1200	1	
64934		1.7/16						
64935	470	1.1/2	90	16	46	1500		
64936		1.9/16						
64937		1.5/8						
64938		1.11/16						
64939	500	1.3/4	100	17	48	1800		
64940		1.13/16						
64941		1.7/8						
64942		1.15/16						
64943	550	2	110	18	50	2000		
64944		2.1/16						
64945		2.1/8						
64946		2.3/16						

LLAVE ESTRELLA ACODADA PARA ESTRUCTURA / OFFSET RING STRUCTURAL WRENCH / CLÉ POLYGALE CONTRE-COUDÉE POUR STRUCTURE MÉTALLIQUE / RINGSCHLÜSSEL GEKRÖPFT MIT DORN / CHIAVE POLIGONALE PER PONTEGGI / CHAVE LUNETA INCLINADA PARA ESTRUTURA / КЛЮЧ НАКИДНОЙ ОДНОСТОРОННИЙ ВИЛКОБРАЗНЫЙ СТРОИТЕЛЬНЫЙ

MM



COD.	L (mm)	AF $\frac{\text{mm}}{\text{inch}}$	A (mm)	B (mm)	C (mm)	Kg		
64947	270	14	24	10	23	0,2	1	
64948	310	17	28	11	27			
64949	330	19	32	12	31			
64950	350	22	35	13	34			
64951	370	24	38	14	37	0,3	1	
64952	400	27	42	14	37			
64953	430	30	50	16	43	0,6	1	
64954		32						
64955	460	36	55	19	48	0,9	1	
64956	490	41	65	20	55	1,1		
64957	500	46	70	22	60	1,5		
64958	550	50	75	26	60	1,8		
64959		55				2,1		
64960	600	60	90	28	65	2,5	1	
64961	650	65	110	30	70	2,7		
64962		70				3,5		
64963	700	75	115	36	75	4,0		
64964		80				5,0		
64965		85				6,0		
64966		90				7,0		
64967	750	95	140	41	80	6,0	1	
64968		100				7,0		
64969		110				7,0		

INCH

COD.	L (mm)	AF $\frac{\text{inch}}{\text{mm}}$	A (mm)	B (mm)	C (mm)	Kg		
64970	330	3/4	32	12	31	0,2	1	I
64971	350	7/8	35	13	34	0,3		
64972	370	15/16	38	13	34	0,3		



09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

COD.	L (mm)		A (mm)	B (mm)	C (mm)					
64973	400	1	42	14	37	0,4				
64974		1.1/16								
64975		1.1/8								
64976	430	1.3/16	50	16	43	0,6		I		
64977		1.1/4								
64978		1.5/16								
64979	460	1.3/8	55	19	48	0,9				
64980		1.7/16								
64981		1.1/2								
64982	490	1.9/16	65	20	50	1,0				
64983		1.5/8								
64984		1.11/16								
64985	500	1.3/4	70	22		1,5	1			
64986		1.13/16								
64987		1.7/8								
64988	550	1.15/16	80	26	60	1,8		-		
64989		2								
64990		2.1/16	85			2,1				
64991		2.1/8								
64992	600	2.3/16	90	28	65	2,5				
64993		2.1/4								
64994		2.5/16								
64995		2.3/8								
64996	650	2.7/16	105	30	70	2,7				
64997		2.1/2								
64998		2.9/16								
64999		2.5/8								

LLAVE AJUSTABLE PARA ESTRUCTURA / ADJUSTABLE STRUCTURAL WRENCH / CLÉ À MOLETTE POUR STRUCTURE MÉTALLIQUE / VERSTELLBARE ROLLGABELSCHLÜSSEL MIT DORN / CHIAVE REOLABILE PER PONTEGGI / CHAVE AJUSTÁVEL PARA ESTRUTURA / КЛЮЧ РАЗВОДНОЙ СТРОИТЕЛЬНЫЙ



COD.	L (inch)	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)			
61137	16	400	35	85	42	17	1100	1	I



LLAVE DE CARRACA PARA ESTRUCTURA METÁLICA / PODGING WRENCH / CLIQUET RÉVERSIBLE / STAHLBAUKNARRE / CHIAVE A CRICCO PER COSTRUZIONE / CHAVE DE ROQUETE PARA ESTRUTURA METALICA / ГОЛОВКА С ТРЕЩЕТКОЙ

MM



N!

COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)			
65916	240	10-13	28	15	15	18	170	6	I
57545		12-14	32	16	17	20	240		
65908	280	13-17	41	17	19	24	310		
65076	320	17-19	43	19	24	27	480		
65917		19-21	50		26	28			
65077		19-22			29	29			
65078	370	19-24	20	28	33	650			
57546		22-24	52	31	34	750			
57547		24-27		34	37				
65079	420	24-30	60	21	32	41	950		
65080		27-32			37	43			
57548		30-32			22	40		44	1000



09

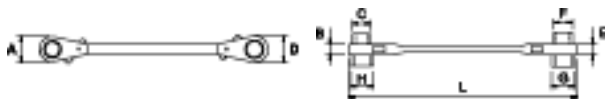
LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

N!

COD.	L (mm)	AF mm	A (mm)	B (mm)	C (mm)	D (mm)	g		
57549	450	32-36	79	26	46	51	2000	6	I
65081		36-41		27	49	57			

LLAVE DE CARRACA DOBLE VASO / DOUBLE SOCKET RATCHET WRENCH / CLÉ À CLIQUET DOUBLE DOUILLE / DOPPEL RATCHENSCHLÜSSEL / CHIAVI DOPPIE A CRICCHETTO / CHAVE DE ROQUETE DUPLA CHAVE DE CAIXA / КЛЮЧ ДВОЙНАЯ ГОЛОВКА С ТРЕЩЕТКОЙ

MM

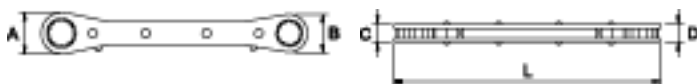


COD.	L (mm)	AF mm	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	g		
65104	270	14-17 x 19-21	38	17	21	42	19	27	28	24	600	2	
65105	330	17-19 x 22-24	41	19	24	50	20	30	33	27	700	1	I
65106		19-21 x 24-27	42	20	27		21	33	37	29	750		



LLAVE ESTRELLA DE CARRACA PLANA / DOUBLE RATCHET WRENCH / CLÉ POLYGONALE À CLIQUET / DOPPELKNARRE FLACH / CHIAVE A CRICCO / CHAVE LUNETA PLANA COM ROQUETE / ДВОЙНАЯ ТРЕЩЕТКА ЗВЕЗДОЧКА

MM



COD.	L (mm)	AF mm	A (mm)	B (mm)	C (mm)	D (mm)	g		
65107	150	8-10	18	17	9,0	9,0	90	6	
65108	170	10-11	22	19			120		
65109	180	12-13	26	21	9,5	9,5	140		I
65110	210	14-15	33	30	10		200	10	
65111		14-17		33			210		
65112	230	19-21	40	37	11	10	260		



INCH

COD.	L (mm)	AF inch	A (mm)	B (mm)	C (mm)	D (mm)	g		
65113	150	1/4-5/16	18	18	8,5	8,5	60	6	
65114	175	3/8-7/16	24	20	9,0		85		
65115	180	1/2-9/16	29	24	10	9,5	140		I
65116	210	5/8-11/16	36	33		10	200	10	
65117		3/4-7/8	40	37	11	12	260		

SET

MM

COD.	PCS.		COD. PCS.	(mm)
68610	6	90056	65107, 65108, 65109, 65110, 65111, 65112	8-10, 10-11, 12-13, 14-15, 14-17, 19-21

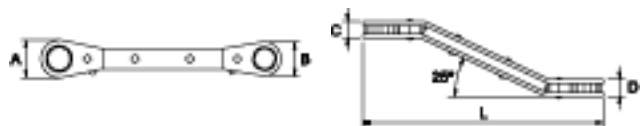


INCH

COD.	PCS.		COD. PCS.	(inch)
68611	5	90056	65113, 65114, 65115, 65116, 65117	1/4-5/16, 3/8-7/16, 1/2-9/16, 5/8-11/16, 3/4-7/8

LLAVE ESTRELLA DE CARRACA ACODADA / OFFSET DOUBLE RATCHET WRENCH / CLÉ POLYGONALE CONTRE-COUDEE À CLIQUET / DOPPELKNARRE ABGEWINKELT / CHIAVE A CRICCO A CONTROGOMITO / CHAVE LUNETA INCLINADA COM ROQUETE / ДВОЙНАЯ ТРЕЩЕТКА ЗВЕЗДОЧКА ИЗОГНУТАЯ

MM



COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)			
65118	150	8-10	20	18	9,5	9,0	85	6	I
65119	175	10-11	25	21		9,5	120		
65120	180	12-13	29	24	10		140		
65121	210	14-15	36	33	10	200	8		
65122		14-17	40	37		11		210	
65123	230	19-21	41					260	



INCH

COD.	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)			
65124	150	1/4-5/16	20	17	9,5	8,5	60	6	I
65125	175	3/8-7/16	23	20		9,0	85		
65126	180	1/2-9/16	30	27	10	9,5	140		
65127	210	5/8-11/16	36	33		10	200	8	
65128		3/4-7/8	40	37			10		

SET

MM

COD.	PCS.		COD. PCS.	(mm)
68612	6	90056	65118, 65119, 65120, 65121, 65122, 65123	8-10, 10-11, 12-13, 14-15, 14-17, 19-21

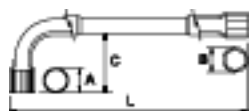


INCH

COD.	PCS.		COD. PCS.	(inch)
68613	5	90056	65124, 65125, 65126, 65127, 65128	1/4-5/16, 3/8-7/16, 1/2-9/16, 5/8-11/16, 3/4-7/8

LLAVES DE PIPA ABIERTAS / ANGLED OPEN SOCKETS / CLÉS À PIPE DEBOUCHEES / PFEIFENKOPFSCHLÜSSEL / CHIAVI A PIPA APERTE / DE CACHIMBO ABERTAS / КЛЮЧ С ИЗОГНУТЫМИ ГОЛОВКАМИ

MM



COD.	L (mm)	AF mm	AF inch	A (mm)	B (mm)	C (mm)	g			
61870	110	6	-	11	11	18	50	6	I	A
61871	115	7	-	12	12	21				
61872	120	8	5/16 *	13	13	22	60			
61873	125	9	-	14	14	22	70			



09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

COD.	L (mm)	AF mm	AF inch	A (mm)	B (mm)	C (mm)	g			
61874	130	10	25/64 *	16	16	26	100			
61875	135	11	7/16 *	17	17	26	140			
61876	145	12	5/32 *	18	18	27	160			
61877	150	13	-	19	19	30	170			
61878	160	14	35/64 *	21	21	33				
61879	175	15		22	22	35	230			I
61880	185	16		24	24	39				
61881	200	17	-	25	25		290			
61882	210	18		26	26	41	340			
61883	220	19	3/4 *	28	28	44	400			
61884	220	20	25/32 *	30	30	45	470			
61885	230	21					500			
61886	245	22	-	32	32	48	600	6		A
61887	255	23	29/32 *	33	33		700			
61888	265	24		34	34	55	800			
61889	280	25	-	36	36		1000			
61890	290	26		37	37					
61891	300	27	1.1/16 *	38	38	60	1200			
61892	310	28	-	39	39		1300			
61893	320	29	1.9/64 *	41	41					
61894	330	30	1.3/16 *	42	42		1500			
61895	360	32		45	45	65	1800			
61768	375	34	-	48	48		2000			
61772	395	36								
61770	400	38		50	50	70	2200			

Medidas aproximadas / Approximate measurements / Mesures approximatives

DIN 475

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

12 x 6

INCH

COD.	L (mm)	AF inch	A (mm)	B (mm)	C (mm)	g			
58143	130	3/8 *	15	15	24	90			
58144	150	1/2 *	19	19	30	170			
58145	180	5/8 *	24	24	37	270			
58146	200	11/16 *	26	26	40	320			
58148	245	7/8 *	34	34	50	650			
58147	255	15/16 *	28		55	660			

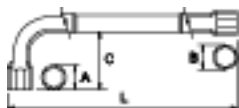
Medidas aproximadas / Approximate measurements / Mesures approximatives

DIN 475

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

6 x 6

MM



COD.	L (mm)	AF mm	AF inch	A (mm)	B (mm)	C (mm)	g			
61166	110	5,5	7/32 *	11	11	18	50			
61170		6								
61171	115	7	-	12	12	21				
61172	120	8	5/16 *	13	13	22	60			
61173	125	9	-	14	14		70			



A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucido / Cromado polido / Полированный хром

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

COD.	L (mm)	AF mm	AF inch	A (mm)	B (mm)	C (mm)	g		
61174	130	10	25/64 *	16	16		100		
61175	135	11	7/16 *	17	17	26	140		
61176	145	12	15/32 *	18	18	27	160		
61177	150	13	-	19	19	30	170		
61178	160	14	35/64 *	21	21	33			
61179	175	15		22	22	35	230		
61180	185	16		24	24				
61181	200	17	-	25	25	39	290		
61182	210	18		26	26	41	340		
61183		19	3/4 *	28	28	44	400		
61184	220	20	25/32 *			45	470		
61185	230	21		30	30		500		
61186	240	22	-	32	32	48	600	6	
61187	250	23	29/32 *	33	33		700		
61188	260	24		34	34	55	800		
61189	280	25	-	36	36		1000		
61190	290	26		37	37				
61191	300	27	1.1/16 *	38	38		1200		
61192	310	28	-	39	39	60			
61193	320	29	1.9/64 *	41	41		1300		
61194	330	30	1.3/16 *	42	42		1500		
61195	360	32		45	45		1800		
61769	370	34		48	48	65	2000		
61773	390	36	-						
61771	400	38		50	50	70	2200		

Medidas aproximadas / Approximate measurements / Mesures approximatives

TITACROM® | DIN 475

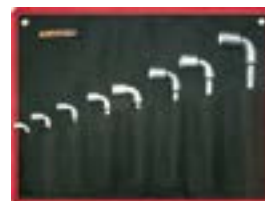
CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

6 x 6

KIT-8 PCS.

MM

COD.	PCS.		COD. PCS.	(mm)
68597	A	8 90057	61872, 61874, 61875, 61877, 61881, 61883, 61886, 61888	12 x 6
68598	C		61172, 61174, 61175, 61177, 61181, 61183, 61186, 61188	6 x 6



KIT-10 PCS.

MM

COD.	PCS.		COD. PCS.	(mm)
69351	A	10 90058	61872, 61873, 61874, 61875, 61876, 61877, 61878, 61881, 61883, 61885	12 x 6
69353	C		61172, 61173, 61174, 61175, 61176, 61177, 61178, 61181, 61183, 61185	6 x 6

MM

COD.	PCS.		COD. PCS.	(mm)
68599	A	10 90054	61872, 61874, 61875, 61876, 61877, 61878, 61880, 61881, 61882, 61883	12 x 6
68600	C		61172, 61174, 61175, 61176, 61177, 61178, 61180, 61181, 61182, 61183	6 x 6

A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром
C TITACROM®

■ KIT-15 PCS.

■ MM

COD.	PCS.		COD. PCS.	(mm)
68601	A	15 90061	61872, 61874, 61875, 61876, 61877, 61878, 61879, 61880, 61881, 61882, 61883, 61885, 61886, 61887, 61888	8-10-11-12-13-14-15-16-17-18-19-21-22-23-24
68602	C		61172, 61174, 61175, 61176, 61177, 61178, 61179, 61180, 61181, 61182, 61183, 61185, 61186, 61187, 61188	12 x 6 6 x 6

■ KIT-22 PCS.

■ MM

COD.	PCS.		COD. PCS.	(mm)
68603	A	22 90167	61872, 61873, 61874, 61875, 61876, 61877, 61878, 61879, 61880, 61881, 61882, 61883, 61885, 61886, 61887, 61888, 61890, 61891, 61892, 61893, 61894, 61895	8-9-10-11-12-13-14-15-16-17-18-19-21-22-23-24-26-27-28-29-30-32
68604	C		61172, 61173, 61174, 61175, 61176, 61177, 61178, 61179, 61180, 61181, 61182, 61183, 61185, 61186, 61187, 61188, 61190, 61191, 61192, 61193, 61194, 61195	12 x 6 6 x 6

■ EXPOSITORES / DISPLAYS / PRESENTOIRS / DISPLAY / ESPOSITORI / DISPLAY STAND / СТЕНДЫ

■ 54 PCS.

■ MM

■ MM

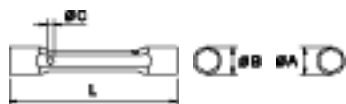


COD.	PCS.		
55570	54	A	12 x 6
PCS./UN.	COD. PCS.		
6	61872		8 mm
	61873		9 mm
	61874		10 mm
	61875		11 mm
	61876		12 mm
	61877		13 mm
4	61878		14 mm
	61881		17 mm
	61883		19 mm
	61885		21 mm

COD.	PCS.		
55571	54	C	6 x 6
PCS./UN.	COD. PCS.		
6	61172		8 mm
	61173		9 mm
	61174		10 mm
	61175		11 mm
	61176		12 mm
	61177		13 mm
4	61178		14 mm
	61181		17 mm
	61183		19 mm
	61185		21 mm

DE TUBO DOBLE BOCA / SOCKET DOUBLE ENDED / CLÉ À TUBE FORGÉE DROITE / DOPPEL-STECKSCHLÜSSEL / CHIAVI A TUBO / DIRITTE TUBOLARES BOCA DUPLA /
ДВОЙНАЯ ГОЛОВКА

MM



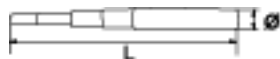
COD.	L (mm)	AF (mm)	A (mm)	B (mm)	Ø C (mm)	g		
61824	105	6-7	10	11	3	30	10	I
61825	110	8-9	13	14	5	50		
61826	120	10-11	15	16	6	80		
61827	140	12-13	18	19	7	140		
61828	145	14-15	20	22	8	155		
61829	155	16-17	23	24	10	180		
61830	165	18-19	25	26	12	230		
61831	170	20-22	28	30	12	290	6	-
61832	185	21-23	29	31	13	340		
61833	190	24-26	33	33	12	430		
61838	190	24-27	33	35	12	430		
61834	200	25-28	34	37	12	500		
61835	210	27-29	37	39	12	550		
61836	210	30-32	40	42	13	700		



TITACROM® | DIN 896-A

PASADOR ESCALONADO / STEP TOMMY BAR / BROCHE POUR CLÉ À TUBE / STUFEN-DREHSTIFT FÜR DOPPEL-STECKSCHLÜSSEL / PUNZONE SFALSATO / PASSADOR ESCALONADO /
БОРОТОК СТУПЕНЧАТЫЙ

MM



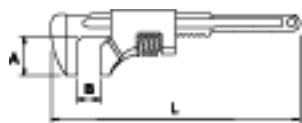
COD.	L (mm)	O.D. (mm)	g
61794	180	2,5-4,5-5,5-6	30
61795	280	6,5-7,5-9,5-11,5-12,5-13	200



SET

MM

COD.	PCS.		COD.	PCS.	(mm)
69489	6	90052	61824, 61825, 61826, 61827, 61828, 61829	6-7, 8-9, 10-11, 12-13, 14-15, 16-17	
69272	8	90057	61824, 61825, 61826, 61827, 61828, 61829, 61830, 61831	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22	


LLAVE DE CREMALLERA / AUTO WRENCH / CLÉ À CREMAILLÈRE / VERSTELLBARE ROHRZANGE / CHIAVE A CREMAGLIERA / CHAVE DE CREMALHEIRA / РАЗВОДНОЙ
КЛЮЧ АВТОМОБИЛЬНЫЙ


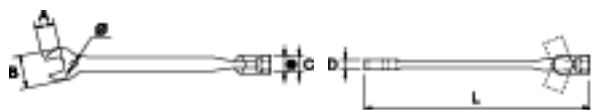
COD.	L (inch)	A (mm)	B (mm)	g		
61360	9	33	65	500	5	I
61361	11	45	80	850	5	I
61362	15	45	85	1550	1	-



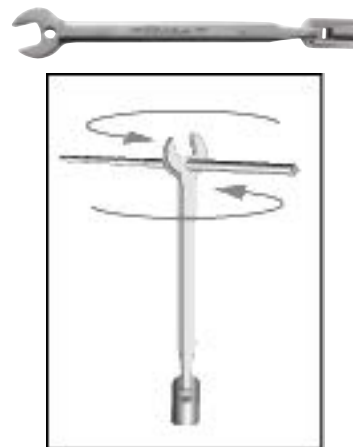
TITACROM®

LLAVE COMBINADA ARTICULADA / FLEXIBLE COMBINATION WRENCH / CLÉ MIXTE ARTICULÉE / FLEXIBELE RINGMAULSCHLÜSSEL / CHIAVE COMBINATA ARTICOLATA / CHAVE COMBINADA ARTICULADA / КЛЮЧ КОМБИНИРОВАННЫЙ С ШАРНИРНОЙ ГОЛОВКОЙ

MM



COD.	L (mm)	AF mm	A (mm)	B (mm)	C (mm)	D (mm)	O.D. mm	g		
56190	180	10	12	25	15	5,5		95		
56191	190	11	14	27	17	6		115		
56192		12			18			145		
56193	215	13	15	31	19	6,5	6	150	10	I
56194		14	16		20			185		
56195	220	15	17	32	24	8		230		
56196	235	17	19	38			7	320		
56197	250	19	20	41	26	9				


PASADOR ESCALONADO / STEP TOMMY BAR / BROCHE POUR CLÉ À TUBE / STUFEN-DREHSTIFT FÜR DOPPEL-STECKSCHLÜSSEL / PUNZONE SFALSATO / PASSADOR ESCALONADO / ВОРОТОК СТУПЕНЧАТЫЙ

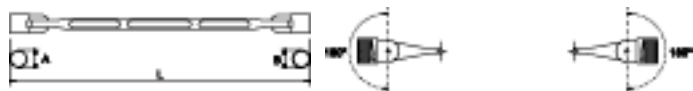
MM



COD.	L (mm)	O.D. mm	g
61794	180	2,5-4,5-5,5-6	30
61795	280	6,5-7,5-9,5-11,5-12,5-13	200


DE VASO DOBLE ARTICULACIÓN / DOUBLE ENDED SWIVEL / CLÉ À TUBE ARTICULÉE / DOPPEL-GELENKSTECKSCHLÜSSEL / CHIAVE A BUSSOLA DOPPA SNODABILE / DE CAIXA ARTICULADAS / КЛЮЧ ДВОЙНАЯ ГОЛОВКА ШАРНИРНАЯ

MM



COD.	L (mm)	AF mm	A (mm)	B (mm)	g		
61301	200	8-9	12	13	100		
61302	210	10-11	15	16	110		
61303	230	12-13	19	19	155	10	
61304	240	14-15	21	21	200		
61305	250	16-17	23	24	280		
61306	270	18-19	26	26	390		
61308		20-22	28	30	480		
61309	290	21-23	32	32	470	5	
61310	330	24-27		36	700		



09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

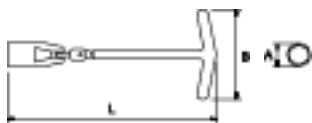
KIT-6

MM

COD.	PCS.		COD. PCS.	(mm)	
69185	6	1,6	61301, 61302, 61303, 61304, 61305, 61306	8-9, 10-11, 12-13, 14-15, 16-17, 18-19 mm	I



DE BUJÍA ARTICULADA / SPARK PLUG WRENCH / CLÉS À BOUGIE ART. / ZÜNDKERZENSCHLÜSSEL / CHIAVI PER CANDELE SNODABILE / CHAVE ARTICULADA PARA VELAS / СВЕЧНОЙ КЛЮЧ



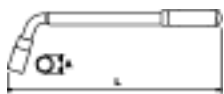
COD.	L (mm)		A (mm)	B (mm)			
61471	230	20-13/16	28	100	250	8	I

DIN 3112



EXTENSIBLE PARA RUEDAS / EXTENSIBLE WHEEL WRENCH / CLÉS À ROUES EXTENSIBLE / AUSZIEHBARER RADMUTTERNSCHLÜSSEL / CHIAVE ESTENSIBILE PER RUOTE / EXTENSÍVEL PARA RODAS / РАЗДВИЖНОЙ БАЛОННЫЙ КЛЮЧ

MM

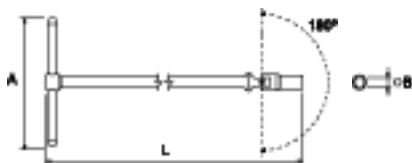


COD.		L (mm)	A (mm)		
61476	17-19	550	28	800	3

DIN 3112



LLAVES ARTICULADAS EN T / T-HANDLE WRENCHES WITH UNIVERSAL JOINT / CLÉ À BEQUILLE ARTICULÉE / KARDAN GELENKSCHLÜSSEL / CHIAVE A T CON SNODO CARDANICO / CHAVES T COM CARDAN / Т-ОБРАЗНЫЙ КЛЮЧ С ШАРНИРНОЙ ГОЛОВКОЙ

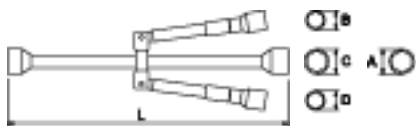


COD.	L (mm)			A (mm)	B (mm)			
61840	390	6	-	165	10	220		
61841		7	-		11			
61842		8	5/16 *		12			
61843		9	11/32 *		14			
61844	450	10	-	180	15	420	10	I
61845		11	-		17			
61846		12	15/32 *		18			
61847		13	1/2 *		19			
61848	500	14	-	230	20	850		
61849		15	19/32 *		22			
61850		16	5/8 *		23			
61851		17	21/32 *		24			
61852	500	18	-	230	25	850		
61853		19	3/4 *		27			
61854		20	25/32 *		28			
61855		21	13/16 *		29			



COD.	L (mm)	AF mm	AF inch	A (mm)	B (mm)	g		
61856	500	22	-	230	31	850	10	I
61858		24	15/16 *		33			

Medidas aproximadas / Approximate measurements / Mesures approximatives

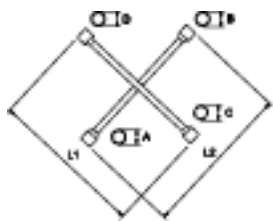
EN CRUZ PLEGABLE / FOLDING CROSS RIM WRENCH / CLÉ EN CROIX PLIABLE / KREUZSCHLÜSSEL, KLAPPBAR / CHIAVE A CROCE PIEGABILE / CHAVE EM CRUZ DOBRAVEL / СЛАДНОЙ БАЛОННЫЙ КЛЮЧ


COD.	L (mm)	AF mm	A (mm)	B (mm)	C (mm)	D (mm)	g	
61477	355	17-19-21-23	30	26	32	28	1300	1


EN CRUZ / CROSS RIM WRENCH / CLÉ EN CROIX / KREUZSCHLÜSSEL / CHIAVE A CROCE / CHAVE DE CRUZETA / КРЕСТООБРАЗНЫЙ БАЛОННЫЙ КЛЮЧ


COD.	AF mm	AF inch	L1 (mm)	L2 (mm)	A (mm)	B (mm)	C (mm)	g	
61475	17-19-22	1/2	350	350	28	26	31	1150	1

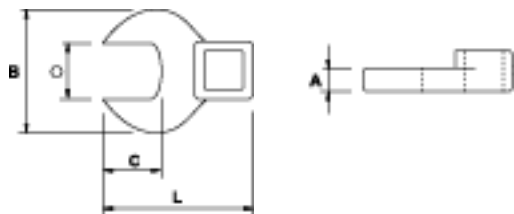
DIN 3119



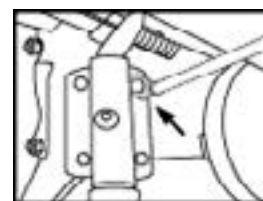
COD.	L1 (mm)	L2 (mm)	AF mm	A (mm)	B (mm)	C (mm)	g	
61478	350	350	17-19-21-23	28	26	31	1200	1

DIN 3119



LLAVE FIJA CROW FOOT / OPEN END CROW FOOT WRENCH / CLÉ À FOURCHE CROW FOOT / EINSTECK-MAULSCHLÜSSEL / CHIAVE FISSA CROW FOOT / PONTEIRA DE BOCA COM QUADRADO INTERIOR / РОЖКОВЫЙ КЛЮЧ С КВАДРАТОМ
1/4"
MM

N!

COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
57211	7	30	6	25	6	70	10	I
57212	8	31		26	7			
57213	9	33		28	8	75		
57214	10	35		30	9			
57215	11	36	7	31	11	90		
57216	12	38		34	12	95		
57217	13	39		35	13			


INCH
N!

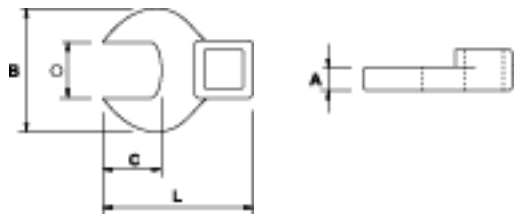
COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
57218	5/16	31	6	26	7	70	10	I
57219	3/8	33		28	8	75		
57220	7/16	35		30	9			
57221	1/2	38	7	34	12	92		
57222	9/16	39		36	14	100		

09

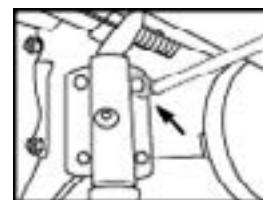
LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

■ 3/8"

■ MM



COD.		L (mm)	A (mm)	B (mm)	C (mm)			
55710	10	36	6	24	10	28	10	I
55711	11	39	6,5	26	13			
55712	12			27		35		
55713	13	40	7,2	28	14	40		
55714	14	42	8,3	30	15	41		
55715	15				16	50		
55716	16	46	8,4	34	17			
55717	17	48	8,8	36	18	56		
55718	19	50	9	40	21	62		
55719	21				22,5	80		
55720	22	55	9,5	46	23,5	100		
55721	24	65	10	54	25,5	140		



■ INCH

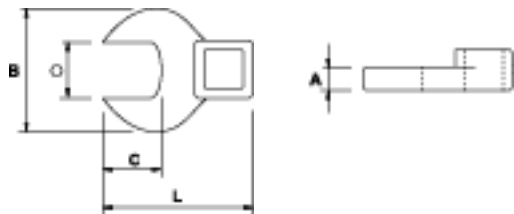
COD.		L (mm)	A (mm)	B (mm)	C (mm)			
55724	3/8	36	6	24	10	28	10	I
55725	7/16	39	6,5	26				
55726	1/2	40	7,2	28	14	40		
55727	9/16	42	8,3	30		41		
55728	5/8	46	8,4	34	17	50		
55729	11/16	48	8,8	36	18	56		
55730	3/4	50	9	40	21	62		
55731	13/16				21,5	80		
55732	7/8	55	9,5	46	22,5	100		
55733	15/16	65	10	54	25,5	140		

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

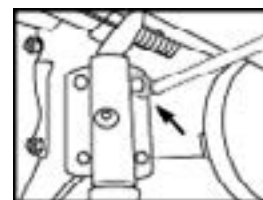
1/2"

MM



N!

COD.		L (mm)	A (mm)	B (mm)	C (mm)				
57224	20	50	12	42	19	150	10	I	
57225	21								
57226	22			43	20				
57227	23	55		45	21	160			
57228	24			46	22				
57229	25			47	23				
57230	26	60		49	24	185			
57231	27			50	25	190			
57232	28	65		55	26	200			
57233	29			55	27				
57234	30				28	210			
57235	31	70		60	29	220			
57236	32				30	230			
57237	33			65	31	250			
57238	34	75			32	260			
57239	35				33				
57240	36			70	34	270			
57241	37	80		35					
57242	38	14	75	36	280				
57243	39			37	290				
57244	40		85		38	300			
57245	41				80	39			320
57246	42					40			
57247	43		90		41	330			
57248	44				85	42			340
57249	45					43			360
57250	46	95	15	90	44	380			



INCH

N!

COD.		L (mm)	A (mm)	B (mm)	C (mm)			
57251	15/16	55	12	45	21	160	10	I
57252	1	60		47	23			
57253	1.1/16			50	25	190		
57254	1.1/8	65			26	200		
57255	1.3/16	70		60	28	210		
57256	1.1/4				30	230		
57257	1.5/16			65	31	250		
57258	1.3/8	75		70	33	260		
57259	1.7/16				34	270		
57260	1.1/2	80	14	75	36	280		
57261	1.9/16			37	290			
57262	1.5/8	85			39	320		
57263	1.11/16	90		80	41	330		
57264	1.3/4			84	42	340		
57265	1.13/16				44	380		
57266	1.7/8	95	15	90	45	400		
57267	1.15/16			46	430			
57268	2	100			460			
57269	2.1/16			95	49	480		

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

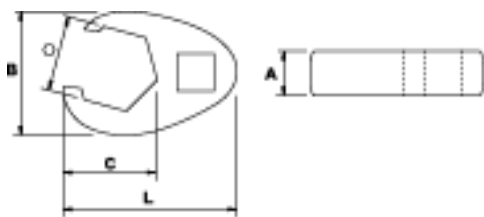
N!

COD.		L (mm)	A (mm)	B (mm)	C (mm)			
57270	2.1/8	100	15	100	50	500	10	I
57271	2.3/16					600		
57272	2.1/4	105		105	55	650		
57273	2.5/16					700		
57274	2.3/8	110		110	60	750		
57275	2.7/16					850		
57276	2.1/2							

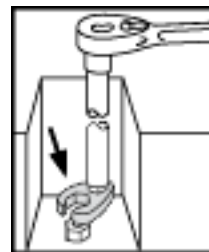
LLAVE HEXAGONAL CROW FOOT / HEXAGONAL CROW FOOT WRENCH / CLÉ MÂLE CROW FOOT / SECHSKANT-EINSTECK-MAULSCHLÜSSEL / CHIAVE ESAGONALE CROW FOOT / PONTEIRA HEXAGONAL COM QUADRADO INTERIOR / РОЖКОВЫЙ ШЕСТИГРАННЫЙ КЛЮЧ С КВАДРАТОМ

3/8"

MM



COD.		L (mm)	A (mm)	B (mm)	C (mm)					
55736	10	38	7,8	31	16	28	10	I		
55737	11		8		18	35				
55738	12								40	
55739	13	41	9	33	21	50				
55740	14								24	62
55741	15									
55742	16	31	70							
55743	17			40	100					
55744	19	50	11			40			28,5	100
55745	21									
55746	22									



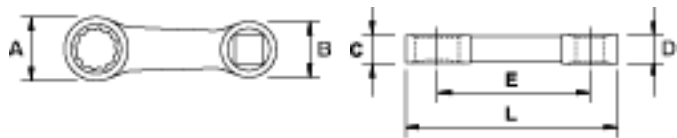
INCH

COD.		L (mm)	A (mm)	B (mm)	C (mm)				
55750	3/8	38	7,8	31	16	28	10	I	
55751	7/16		8		18	35			
55752	1/2				24	40			
55753	9/16	41	9	33	21	41			
55754	5/8		10,5		25	50			
55755	11/16				31	70			
55756	3/4	46			36	80			
55757	13/16	50	11	40	28,5	80			
55758	7/8				36	100			

ADAPTADOR DE PAR / TORQUE ADAPTER / ADAPTATEUR DE COUPLE / DREHMOMENT ADAPTOR / ADATTATORE DI COPPIA / ADAPTADOR DE PAR / АДАПТЕР КРУТЯЩЕГО МОМЕНТА

3/8"

MM



N!

COD.	L (mm)	AF mm	AF inch	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
57315	72,5	8	3/8	20	19	9	12	52	51	10	I
57316		10									
57317		13				11,5					



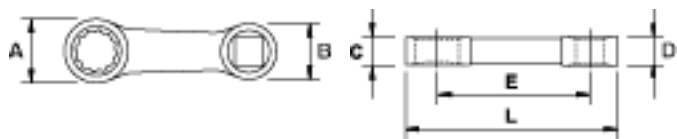
INCH

N!

COD.	L (mm)	AF inch	AF inch	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
57318	72,5	5/16	3/8	20	19	9	12	52	51	10	I
57319		3/8									
57320		7/16									
57321		1/2		24		12			61		
57322		9/16									



SPLINE



N!

COD.	L (mm)	AF inch	AF inch		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
57323	72,5	7/32	3/8	M7	20		9	12	52	51	10	I
57324		1/4		M8								
57325		9/32		M9								
57326		5/16		M10								
57327		3/8		M12	24	19		12	52	61		
57328		7/16		M14								
57329		1/2		M16								
57330		9/16		M18								
57331		5/8		M20								



09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

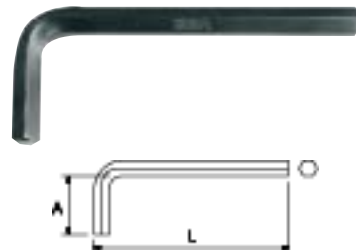
■ LLAVES HEXAGONALES / HEXAGONAL KEYS / CLÉS MÂLES / INBUSSCHLÜSSEL / CHIAVI ESAGONALI / CHAVES HEXAGONAIS / ШЕСТИГРАННИК

EGA

■ STANDARD

■ MM

COD.	L (mm)		A (mm)			
65302	33	0,9	10	0,2		
65955	40	1,27	12	0,9		
61501	46	1,5	14	1,0		
61502	50	2	16	2,0		
61503	60	2,5	17	3,0		
65956	55	2,7		4,5		
61504	65	3	20	5,0		
65303	70	3,5	21	7,5		
61505	75	4	25	10		
65304	80	4,5	26	14		
61506		5		15		
61507	85	5,5	28	25		
61508	95	6	32	30		
61527		7	33	45		
61509	100	8	36	60	10	I
65305	115	9	38	80		
61510	120	10	40	105		
65306	130	11		135		
65307	135	12	42	170		
65519	145	13	44	190		
65308	155	14	46	260		
65958	160	15		320		
65309	170	16	50	370		
65310	175	17		440		
65959	190	18	65	550		
65311		19		650		
65960	200	20	70			
65312	210	21		950		
65313	220	22	82			
65314	250	24	90	1250		
65961	280	27	100	1750		
65962	320	30	110	2450	5	
65963	350	32	120	3050		
65964	390	36	135	4350		
67629		38	140	4700		
67630	380	41	150	5700		
67631		46	160	7000		
67632	410	48	165	7100		
67633		50	175	9550	1	
67634	450	55	185	11200		
67635	470	60	195	14050		
67636	480	65	200	15300		
67637	500	70	210	16700		



ISO 2936 | DIN 911

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

INCH

COD.	L (mm)		A (mm)			
65315	46	1/16	15	0,9		
65316	50	5/64	18	2,0		
65317	60	3/32	20	3,0		
65318	65	1/8	23	5,0		
65319	75	5/32	29	10		
65320		3/16		15		
65321	85	7/32	33	25		
65322	95	1/4	38	30	10	
65323	100	5/16	44	60		I
65324	120	3/8	50	105		
65325	130	7/16	55	135		
65326	140	1/2		170		
65327	155	9/16	70	260		
65328	170	5/8	75	370		
65329	200	3/4		650		
67614	240	7/8	90	950		-
67615	260	1		1250		
67616	270	1.1/8	110	1750	5	
67617	320	1.1/4	120	3050		
67618	380	1.5/8	150	5700	1	

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CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ

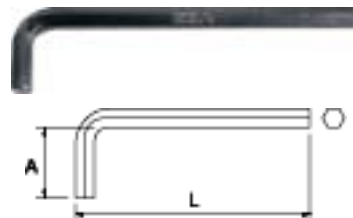
MM

COD.	L (mm)		A (mm)			
61517	65	1,5	15	1,0		
61518	75	2	18	2,0		
61519	85	2,5	20	4,0		
61520	95	3	23	7,0		
67298	100	3,5	25	10		
61521	105	4	29	15		
67299	115	4,5	30	19		
61522	120	5		25		
61523	130	5,5	33	35		
61524	140	6	38	40		
61557	150	7	41	60		
61525	160	8	44	80	10	
65330	170	9	47	115		
61526	180	10	50	140		I
65331	190	11		200		
65332	200	12	55	260		
67300	210	13	65	300		
67301	230	14	70	400		
67302		15		460		
67303	240	16	75	500		
67304	260	17	80	650		
67305	280	19	90	850		
67306	310	22	100	1300	1	-
67307	360	24	115	1750		

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CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V



INCH

COD.	L (mm)		A (mm)			
68900		1/16	14	1,6		
68901	80	5/64	16	2,7		
68902	85	3/32	17	4,5		
68903	90	7/64	18	6,6		
68904	95	1/8	19	8,3		
68905	100	9/64	20	11		
68906	105	5/32	21	14	10	
68907	115	3/16	24	23		
68908	125	7/32	26	32		I
68909	135	1/4	29	50		
68910	150	5/16	32	80		
68911	170	3/8	35	135		
68912	190	7/16	38	210		
67671	210	1/2	43			
67672	250	5/8	50	370	6	
67653	290	3/4	55	690		
67654	350	7/8	65	1300		
67655	400	1	70	1750		
67656		1.1/8		2300		
67657	450	1.1/4	85	3750	1	-
67673	490	1.1/2	140	5800		
67658	550	1.5/8	150	7100		
67659	570	1.3/4	160	8800		

ISO 2936 | DIN 911

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

BOLA SERIE LARGA / LONG PATTERN BALLPOINT / SÉRIE LONGUE À TÊTE SPHÉRIQUE / KUGELKOPF- INBUSSCHLÜSSEL / SERIE LUNGA CON TESTA SFERICA / ESFERICAS, SERIE LONGA / ДЛИННЫЙ С ШАРОВОЙ ГОЛОВКОЙ

MM

COD.	L (mm)		A (mm)			
61615	65	1,5	15	1,0		
61616	75	2	18	2,0		
61617	85	2,5	20	3,0		
61618	95	3	23	5,0		
61619	105	4	29	10		
61620	120	5	33	15		
61621	130	5,5	38	25	10	
61622	140	6	38	30		
67493	150	7	40	60		I
61623	160	8	44			
67494	170	9	45	110		
61624	180	10	50	140		
67495	200	12		250		
67496	230	14	55	400	1	
67497	260	17	60	650		
67498	280	19	67	850		

ISO 2936 | DIN 911

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V



09

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

INCH

COD.	L (mm)		A (mm)			
68914	75	1/16	14	1,6	10	I
68915	80	5/64	16	2,7		
68916	85	3/32	17	4,5		
68917	90	7/64	18	6,6		
68918	95	1/8	19	8,3		
68919	100	9/64	20	11		
68920	105	5/32	21	14		
68921	115	3/16	24	23		
68922	125	7/32	26	32		
68923	135	1/4	29	50		
68924	150	5/16	32	80		
68925	170	3/8	35	135		
68926	190	7/16	38	210		

ISO 2936 | DIN 911

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

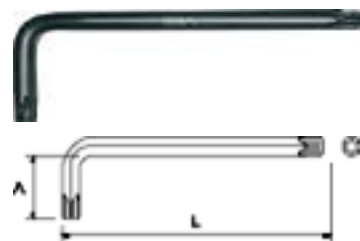
■ LLAVES TORX®* / TORX®* KEYS / CLÉS TORX®* / TORX®* INBUSSCHLÜSSEL / CHIAVI TORX®* / CHAVES TORX®* / КЛЮЧ TORX®*

■ STANDARD

COD.	L (mm)		A (mm)			
67801	41	T-6	14	2,5	10	I
67802		T-7				
67803		T-8				
67804		T-9				
65333	49	T-10	16	3,5		
65334	56	T-15	17	5,0		
65335	62	T-20	19	7,5		
65336	70	T-25	20	9,5		
65337	75	T-27	24	15		
65338	85	T-30	29	20		
65339	95	T-40	34	32		
65340	110	T-45	39	44		
65341	125	T-50	41	65		

■ SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ

COD.	L (mm)		A (mm)			
65342	90	T-10	17	6,0	10	I
65343	95	T-15	18	9,0		
65344	100	T-20	19	12		
65345	105	T-25	20	16		
65346	110	T-27	21	24		
65347	120	T-30	24	31		
65348	130	T-40	26	46		
65349	140	T-45	28	65		
65350	160	T-50	32	90		

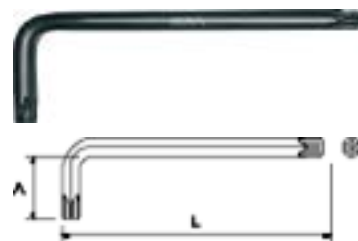


LLAVES TAMPER TORX / TAMPER TORX KEYS / CLÉS TAMPER TORX / TAMPER TORX INBUSSCHLÜSSEL / CHIAVI TAMPER TORX / CHAVES TAMPER TORX / КЛЮЧ TAMPER TORX

COD.	L (mm)		A (mm)			
56544	41	TT8	14	2,5	10	I
56545		TT9				
56546	49	TT10	16	3,5		
56547	56	TT15	17	5		
56548	62	TT20	19	7,5		
56549	70	TT25	20	9,5		
56550	75	TT27	24	15		
56551	85	TT30	29	20		
56552	95	TT40	34	32		
56553	110	TT45	39	44		
56554	125	TT50	41	65		


SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ

COD.	L (mm)		A (mm)			
56556	90	TT10	17	6	10	I
56557	95	TT15	18	9		
56558	100	TT20	19	12		
56559	105	TT25	20	16		
56560	110	TT27	21	24		
56561	120	TT30	24	31		
56562	130	TT40	26	46		
56563	140	TT45	28	65		
56564	160	TT50	32	90		


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COD.		L (mm)	A (mm)			
65975	M4	145	22	16	10	I
65976	M5	150	24	26		
65977	M6	160	30	42		
65978	M7	175	32	80		
65979	M8	185	40	90		
65980	M10	220	55	150		



■ JUEGOS / SETS / ASSORTIMENTS / SÄTZE / ASSORTIMENTI / JOGOS / НАБОРЫ

COD.	PCS.			
69987	7	600	6	I
Composición / Composition / Composition				
65975, 65976, 65977, 65978, 65979, 65980		M4, M5, M6, M7, M8, M9, M10		



COD.	PCS.					
61499	8	105	12	I		
61500	10	270				
61516						
Composición / Composition / Composition						
65315, 65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323, 65324			1/16"-5/64"-3/32"-1/8"-5/32"-3/16"-7/32"-1/4"-5/16"-3/8" 			



COD.	PCS.			
61512	7	330	12	I
Composición / Composition / Composition				
61519, 61520, 61521, 61522, 61524, 61525, 61526		Serie larga / Long serie		2,5-3-4-5-6-8-10 mm 



COD.	PCS.			
61496	10	360	12	I
61495				
Composición / Composition / Composition		Descripción / Description / Description		
68914, 68915, 68916, 68918, 68920, 68921, 68922, 68923, 68924, 68925		Serie larga / Long serie		1/16"-5/64"-3/32"-1/8"-5/32"-3/16"-7/32"-1/4"-5/16"-3/8" 



COD.	PCS.		
65351	9	250	12
Composición / Composition / Composition			
65333, 65334, 65335, 65336, 65337, 65338, 65339, 65340, 65341		T10-T15-T20-T25-T27-T30-T40-T45-T50	



COD.	PCS.		
65665	9	300	6
Composición / Composition / Composition			
65342, 65343, 65344, 65345, 65346, 65347, 65348, 65349, 65350		Serie larga / Long serie	
		T10-T15-T20-T25-T27-T30-T40-T45-T50	



COD.	PCS.		
65650	9	250	12
Composición / Composition / Composition			
56546, 56547, 56548, 56549, 56550, 56551, 56552, 56553, 56554		TT10-TT15-TT20-TT25-TT27-TT30-TT40-TT45-TT50	



09

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COD.	PCS.		
56566	9	300	6
Composición / Composition / Composition		Descripción / Description / Description	
56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563, 56564		Serie larga / Long serie TT10-TT15-TT20-TT25-TT27-TT30-TT40-TT45-TT50	



COD.	PCS.	A (mm)	B (mm)	C (mm)	Composición / Composition / Composition				
61511	8	39	120	32	2-2,5-3-4-5-6-8-10 mm	290	12	I	



COD.	PCS.	A (mm)	B (mm)	C (mm)	Composición / Composition / Composition				
61514	6	21	95	32	2,5-3-4-5-6-8 mm	160	12	I	

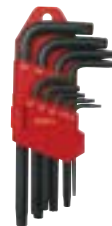


COD.	PCS.	A (mm)	B (mm)	C (mm)	Composición / Composition / Composition				
61513	6	33	90	17	T10-T15-T20-T25-T27-T30	90	12	I	



COD.	PCS.	A (mm)	B (mm)	C (mm)	Composición / Composition / Composition				
56567	6	33	90	17	TT10-TT15-TT20-TT25-TT27-TT30	90	12	I	

COD.	PCS.				COD.	PCS.	Composición / Composition / Composition	
65352	140				-		1,5-2-2,5-3-4-5-6-8 mm	
65353	150				65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323		5/64-3/32-1/8-5/32-3/16-7/32-1/4-5/16	
65354	8		12	I	67804, 65333, 65334, 65335, 65336, 65337, 65338, 65339		T9-T10-T15-T20-T25-T27-T30-T40	
56568	140				56545, 56546, 56547, 56548, 56549, 56550, 56551, 56552		TT9-TT10-TT15-TT20-TT25-TT27-TT30-TT40	



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