

8

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ

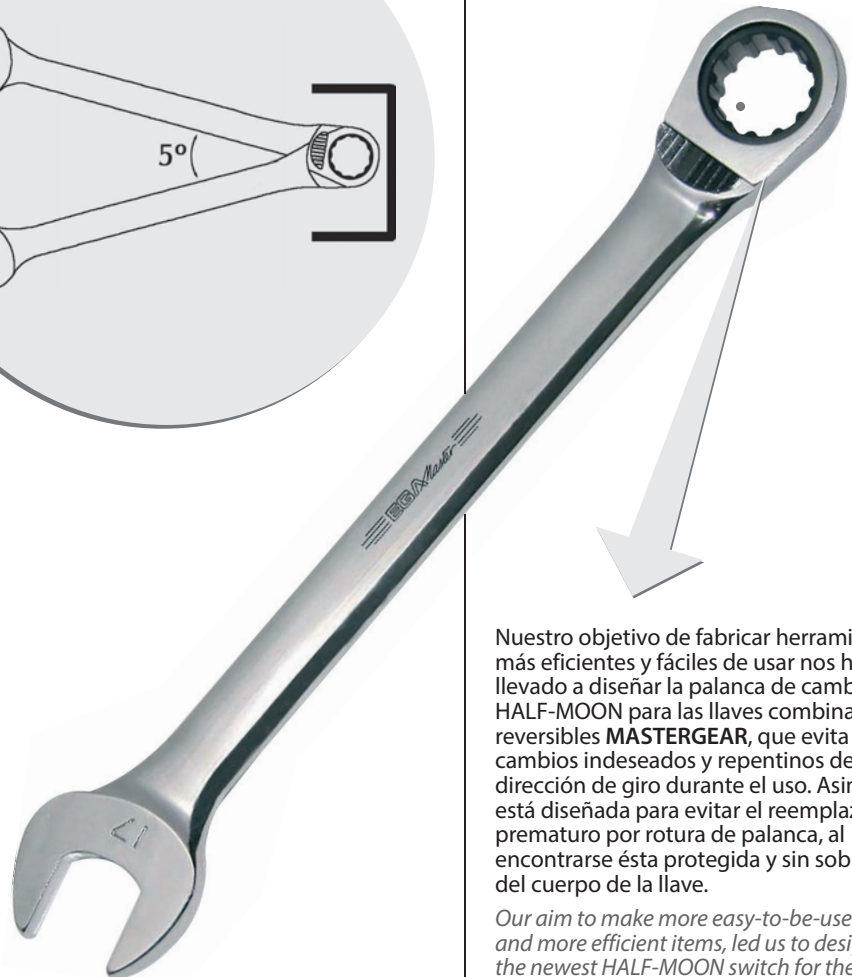
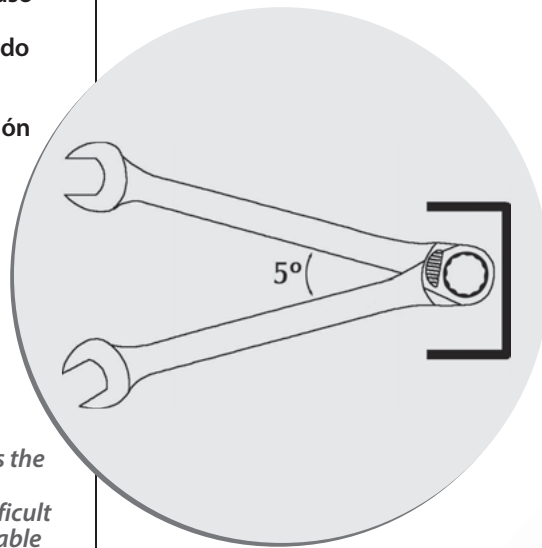


LLAVE COMBINADA REVERSIBLE MASTERGEAR REVERSIBLE MASTERGEAR COMBINATION WRENCH CLÉS MIXTES REVERSIBLES MASTERGEAR

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 conception exclusive 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, requerrant 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.

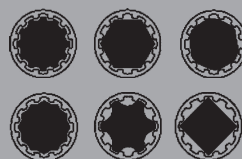
*Our aim to make more easy-to-be-used and more efficient items, led us to design the newest **HALF-MOON** switch for the **MASTERGEAR** Reversible Combination Wrenches, which avoids unwanted or unconscious switch reversing as well as premature damage of the switch. Besides, this switch is designed to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

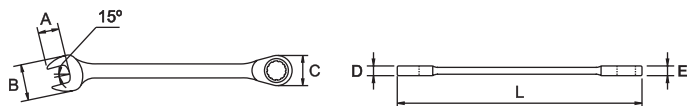
Notre objectif de fabriquer des outils plus performants et plus faciles d'usage, nous a amené à dessiner le bouton de changement de sens de la clé à cliquet réversible **MASTERGEAR**, en forme de demi-lune, ce qui a pour effet d'éviter des changements de sens indésirables et soudain durant l'utilisation. 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.

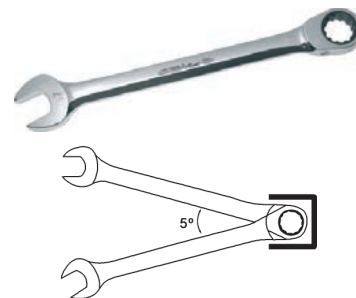
Its innovative box drive allows to tighten multiple nut heads such as Spline, 6-point, 12 point, Square and E-torx, as well as with 50% rounded off nuts.

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 À CLIQUET MASTERGEAR / RATSCHEN-RINGGABELSCHLÜSSEL / CHIAVE COMBINATA A CRICCO MASTERGEAR / CHAVE DE BOCA E LUNETA COM ROQUETE MASTERGEAR / КЛЮЧ ТРЕЩЕТОЧНЫЙ КОМБИНИРОВАННЫЙ MASTERGEAR
MM


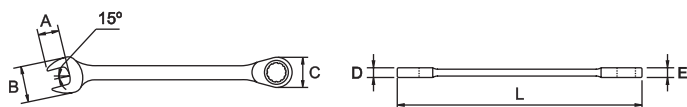
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
62651	8	145	9,5	17	18	4,7	7,4	50		
62652	9	150	10	18	19	5,3		55		
62653	10	160	11	22	21	5,7		60		
62654	11	165	12	23	22	6,1		80		
62655	12	175	13	25	23	6,4		90		
62656	13	180	15	26	25	6,6		100		
62657	14	190	16	29	26	7,3		120		
62658	15	200	17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



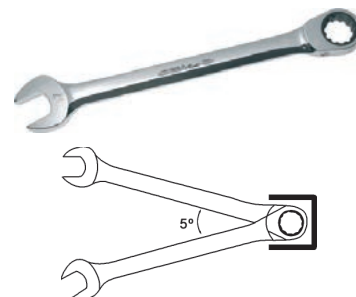
DIN 1711 | Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

INCH


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



DIN 1711 | 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

08

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ



■ SET

■ MM

COD.		PCS.	
69864	A	10	1000
Composición / Composition / Composition			
62651, 62653, 62655, 62656, 62660, 62662		8-10-12-13-17-19 mm	
62772, 62773, 62774		1/4-10, 3/8-17, 1/2-19 mm	
62775		1/4"-1/4"	



■ MM

COD.		PCS.	
69865	A	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
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	
62772, 62773, 62774		1/4-10, 3/8-17, 1/2-19 mm	
62775		1/4"-1/4"	



■ MM

COD.		PCS.	
69869	A	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
Composición / Composition / Composition			
62666, 62667, 62668, 62669, 62672, 62673		5/16"- 3/8"- 7/16"- 1/2"- 11/16"- 3/4"	
62772, 62773, 62774		1/4-10, 3/8-17, 1/2-19 mm	
62775		1/4"-1/4"	



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

INCH

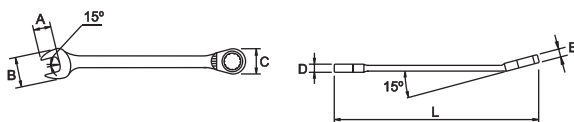
COD.		PCS.	
51454	A	6	800
Composición / Composition / Composition			
62666, 62667, 62668, 62669, 62672, 62673		5/16"-3/8"-7/16"-1/2"-11/16"-3/4"	






SET DEMO-BLOCK

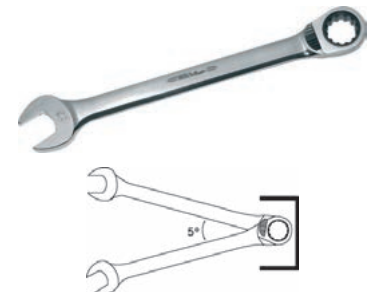
COD.	 mm	
64502	13	300


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 LUNETAS DE ROQUETE REVERSÍVEL MASTERGEAR / КЛЮЧ РЕВЕРСИВНЫЙ ТРЕЩЕТОЧНЫЙ КОМБИНИРОВАННЫЙ MASTERGEAR

MM


COD.	 mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)			
62680	8	145	9,5	17	18	4,7	7,4	50	10	A
62681	9	150	10	19	19	5,3		55		
62682	10	160	11	22	21	5,7		60		
62683	11	165	12	23	22	6,1	80			
62684	12	175	13	25	23	6,4	90			
62685	13	180	15	26	25	6,6	100			
62686	14	190	16	29	26	7,3	120			
62687	15	200	17	31	28	7,5	130			
62688	16	210	18	33	29	7,7	150			
62689	17	230	20	36	30	7,9	180			
62690	18	240	21	38	32	8,4	11,5	200		
62691	19	250		39	34	8,7	240			
62692	21	270	24	43	38	9,5	12,5	310		
62693	22	280	25	46	41	10,0	13,5	340		
62694	24	300	26	48	45	11,0		450		



DIN 1711 | Modelo registrado / Registered model / Modèle enregistré

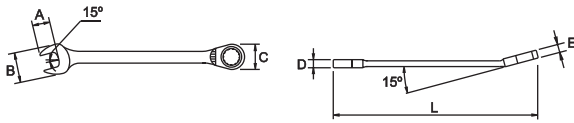
CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

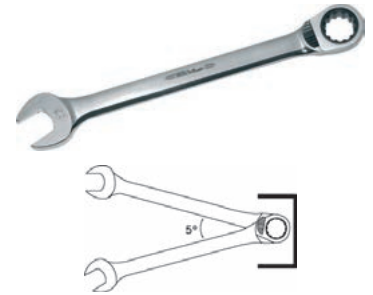
Reversible / Reversible / Réversible

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

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INCH


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


DIN 1711 | Modelo registrado / Registered model / Modèle enregistré
CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

Reversible / Reversible / Réversible

SET
MM

COD.	PCS.	g	
69866	A	10	1000
Composición / Composition / Composition			
62680, 62682, 62684, 62685, 62689, 62691	8-10-12-13-17-19 mm		
62772, 62773, 62774	1/4-10, 3/8-17, 1/2-19 mm		
62775	1/4"-1/4"		


MM



COD.	PCS.	g	
69867	A	6	800
Composición / Composition / Composition			
62680, 62682, 62684, 62685, 62689, 62691	8-10-12-13-17-19 mm		


MM

COD.	PCS.	g	
69870	A	16	2000
Composición / Composition / Composition			
62680, 62681, 62682, 62683, 62684, 62685, 62686, 62687, 62688, 62689, 62690, 62691	8-9-10-11-12-13-14-15-16-17-18-19 mm		
62772, 62773, 62774	1/4-10, 3/8-17, 1/2-19 mm		
62775	1/4"-1/4"		






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

MM

COD.		PCS.	
69871	A	12	1800
Composición / Composition / Composition			
62680, 62681, 62682, 62683, 62684, 62685, 62686, 62687, 62688, 62689, 62690, 62691		8-9-10-11-12-13-14-15-16-17-18-19 mm	





INCH

COD.		PCS.	
51455	A	10	1000
Composición / Composition / Composition			
62695, 62696, 62697, 62698, 62701, 62702		5/16"-3/8"-7/16"-1/2"-11/16"-3/4"	
62772, 62773, 62774		1/4"-10, 3/8"-17, 1/2"-19 mm	
62775		1/4"-1/4"	

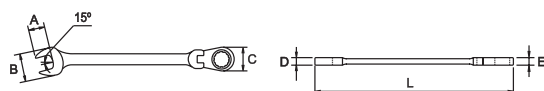






INCH

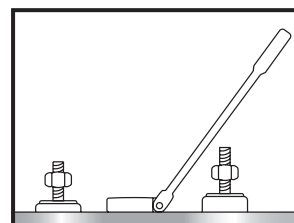
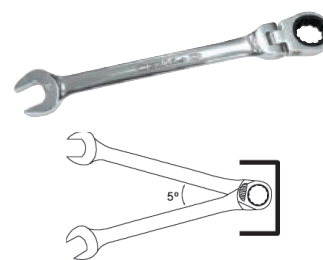
COD.		PCS.	
51456	A	6	800
Composición / Composition / Composition			
62695, 62696, 62697, 62698, 62701, 62702		5/16"-3/8"-7/16"-1/2"-11/16"-3/4"	


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



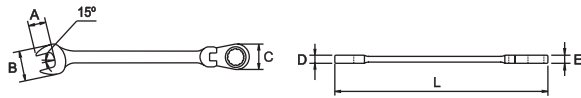
DIN 1711 | Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

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

INCH

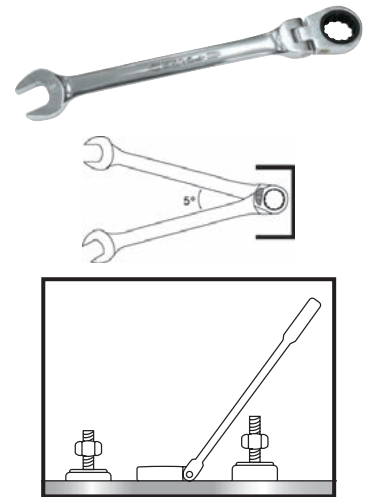


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g	Icons
61545	5/16	145	9,0	17	18	4,7	7,4	60	10
61546	3/8	155	12	22	21	5,7	7,0	70	
61547	7/16	165		23	22	6,1	8,4	90	
61548	1/2	180	14	26	25	6,6	11,0	110	
61549	9/16	190	16	29	26	7,3	13,0	130	
61550	5/8	210	18	33	29	7,7	17,0	170	
61551	11/16	230	20	36	30	7,9	19,0	190	
61552	3/4	250	22	39	34	8,7	11,5	250	5
61553	13/16	270	23	43	38	9,5	12,5	320	
61554	7/8	280	26	46	41	10,0	13,5	350	
61555	15/16	300	27	48	45	11,0	460	460	

DIN 1711 | Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

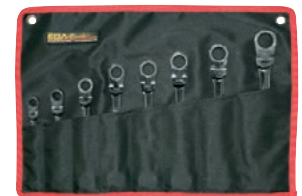
Cr-V



SET

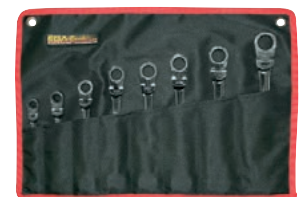
MM

COD.	PCS.	Icon	COD.	(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.	Icon	COD.	(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.	Icon
68525	A	1000

Composición / Composition / Composition

61530, 61532, 61534, 61535, 61539, 61541	8-10-12-13-17-19 mm	Icon
62772, 62773, 62774	1/4-10, 3/8-17, 1/2-19 mm	Icon
62775	1/4" - 1/4"	Icon







MM

COD.		PCS.	
68526	A	6	800
Composición / Composition / Composition			
61530, 61532, 61534, 61535, 61539, 61541		8-10-12-13-17-19 mm 	





MM

COD.		PCS.	
68527	A	16	2000
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 	
62772, 62773, 62774		1/4-10, 3/8-17, 1/2-19 mm 	
62775		1/4"-1/4" 	



MM

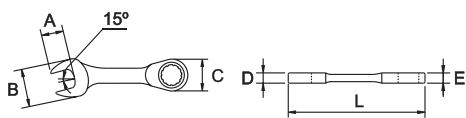
COD.		PCS.	
68528	A	12	1800
Composición / Composition / Composition			
61530, 61531, 61532, 61533, 61534, 61535, 61536, 61537, 61538, 61539, 61540, 61541		8-9-10-11-12-13-14-15-16-17-18-19 mm 	







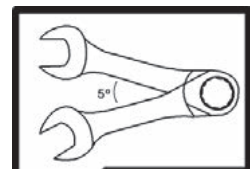
MASTERGEAR STUBBY

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 LUNETA ROQUETE SERIE CURTA MASTERGEAR / КЛЮЧ КОРОТКИЙ ТРЕЩЕТОЧНЫЙ КОМБИНИРОВАННЫЙ MASTERGEAR

MM



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)			
62710	8		9,5	17	17			29		
62711	9	90	10	19	19	4,0	7,4	36		
62712	10	100	11	21	22	4,5		44		
62713	11	105	12	22	23	5,0		60		
62714	12		13	23	25	5,5		8,4		
62715	13	110	15	25	26			70		
62716	14	115	16	26	30	6,0		80	10	● A
62717	15	120	17	28	31			90		
62718	16		18	29	33	7,0		105		
62719	17	130	20	30	36		10,0	120		
62720	18		21	32	38	8,0		140		
62721	19	135	21	34	39	8,0	11,4	160		

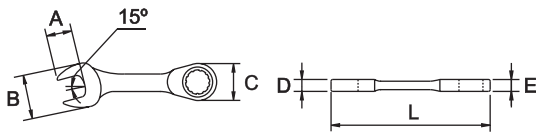


DIN 1711 | Modelo registrado / Registered model / Modèle enregistré

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

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

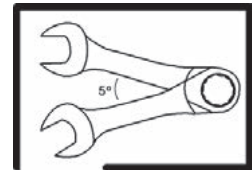
INCH





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

DIN 1711 | Modelo registrado / Registered model / Modèle enregistré


CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V


SET
MM

COD.	PCS.	g	
69872	A	14	1300
Composición / Composition / Composition			
62712, 62713, 62714, 62715, 62716, 62717, 62718, 62719, 62720, 62721	10-11-12-13-14-15-16-17-18-19 mm		
62772, 62773, 62774	1/4-10, 3/8-17, 1/2-19 mm		
62775	1/4"-1/4"		

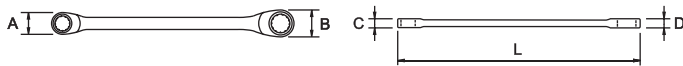

MM

COD.	PCS.	g	
69873	A	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.	Descripción / Description / Description	Icon 1	Icon 2	L (mm)	g	Icon 3	Icon 4
62772	Adaptador macho / Male adapter / Adaptateur male	1/4"-10 mm		20	12		
62773		3/8"-17 mm	-	28	39		
62774		1/2"-19 mm		35	65	6	●
62775	Adaptador hembra / Female adapter / Adaptateur femelle	-	1/4"-1/4"	25	10		

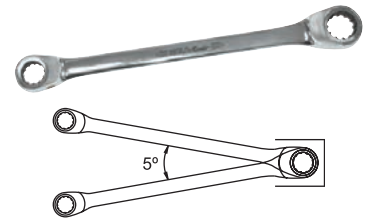
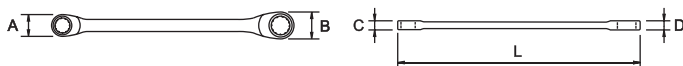

A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado pulido / Полированный хром

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

DIN 1711 | Modelo registrado / Registered model / Modèle enregistré
CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

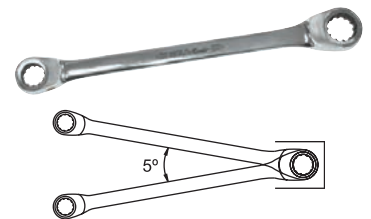
Cr-V


INCH


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
63288	5/16-3/8	185	18	21	7,4		60		
63289	3/8-7/16	200	21	22		8,4	90		
63290	1/2-9/16	250	25	26	8,4		150	8	
63291	11/16-3/4	290	30	34	10,0	11,5	250		● A
63292	13/16-15/16	320	38	45	12,5	13,5	470	5	

DIN 1711 | Modelo registrado / Registered model / Modèle enregistré
CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V


SET
MM

COD.	PCS.		COD.	(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		186
A		
PCS.	COD.	
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
14	62660	17 mm
14	62662	19 mm
MASTERGEAR		

■ 180 PCS.

■ MM



COD.		PCS.
65970		180
A		
PCS.	COD.	
20	62653	10 mm
	62655	12 mm
	62656	13 mm
	62660	17 mm
16	62662	19 mm
14	62682	10 mm
	62684	12 mm
20	62685	13 mm
16	62689	17 mm
14	62691	19 mm
MASTERGEAR REV.		

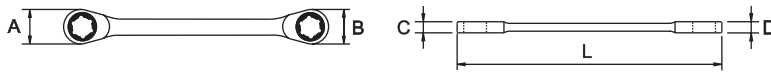
■ MM





COD.		PCS.
55651		186
A		
PCS.	COD.	
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
16	62689	17 mm
14	62691	19 mm
MASTERGEAR REV.		

■ MM

COD.		PCS.
55652		186
A		
PCS.	COD.	
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
16	61539	17 mm
14	61541	19 mm
MASTERGEAR ART. / MASTERGEAR JOINT		

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

MASTERGEAR E-TORX


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

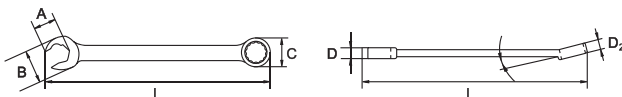
DIN 1711 | Modelo registrado / Registered model / Modèle enregistré





CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

SET
MM

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


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


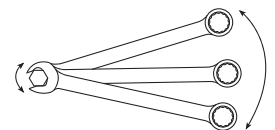
COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	D2 (mm)			
62740	8	140	6,5	18	15	5	7	32		
62742	10	160	8,0	22	17	6	8	55		
62743	11	170	9,5	24	19	6	8	70		
62744	12	175	10	26	20	7	9	80		
62745	13	180	11	28	21	7	9	90	10	
62746	14	195		31	23			110		
62747	15		12			8	10	135		
62748	16	210		33	24			150		
62749	17	230	14	37	27	9	12	170	●	A
62750	18									
62751	19	250	16	41	30	10	13	220		
62752	20									
62753	21	270	17	45	32			290		
62754	22	300		47			14	320	5	
62755	23				34	11		350		
62756	24	320	19	50				395		
62757	26	340	21	55	37		16	470		

DIN 1711

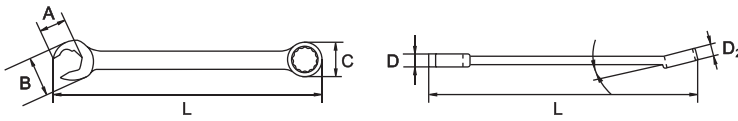
CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

Acción carraca / Ratchet action / Action à cliquet


 Acción carraca / Ratchet action /
Action à cliquet

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

INCH


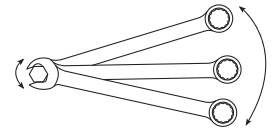
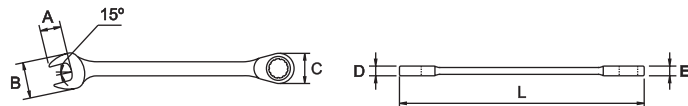
COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	D2 (mm)	g		
62759	3/8	160	8	22	17	6	8	55		
62760	7/16	170	9,5	24	19			70		
62761	1/2	180	11	28	21	7	9	90		
62762	9/16	195	12	31	23	8	10	110	10	
62763	5/8	210		33	24			150		
62764	11/16	230	14	37	27	9	12	170		● A
62765	3/4	250	16	41	30	10	13	220		
62766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

DIN 1711

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

Acción carraca / Ratchet action / Action à cliquet

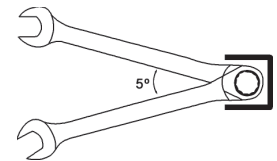
Acción carraca / Ratchet action /
Action à cliquet
CLASSICGEAR
LLAVE COMBINADA DE CARRACA CLASSICGEAR / CLASSICGEAR COMBINATION RATCHET WRENCH / CLÉ MIXTE À CLIQUET CLASSICGEAR / RATCHEN-RINGGABELSCHLÜSSEL CLASSICGEAR / CHIAVI COMBINATE A CRICCO CLASSICGEAR / CHAVE DE BOCA E LUNETA DE ROQUETE CLASSICGEAR / CLASSICGEAR КОМБИНИРОВАННЫЙ КЛЮЧ С ТРЕЩЕТКОЙ
MM


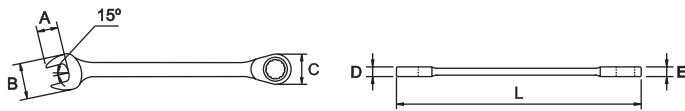
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
63788	6	114		17	17	4,2	7	41		
63805	7		10							
63790	8	130		20	19	4,7	7,7	49		
63791	9									
63792	10	150	12	24	21	5,3	8,2	59		
63793	11	170	14	26	23	5,9	8,5	80		
63794	12	190	15	30	26	6,5	9,4	110	10	
63795	13		16							
63796	14	200	17	31	29	7,1	9,7	140		
63797	15									
63798	16	220	19	37	32	7,7	10,8	195		● A
63799	17		20							
63800	18	240	21	41	35	8,3	11,3	230		
63801	19									
63802	21		22							
63803	22	250	23	44	39	8,9	11,8	280		
63804	24	270		50	44	9,4	12,3	360		
63926	27	290	26	55	48	10,2	13,1	520	8	
63927	30	320	32	60	55	11,2	14,1	650		
63928	32	390	36	65		12,4	15,8	940		

DIN 1711

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V


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

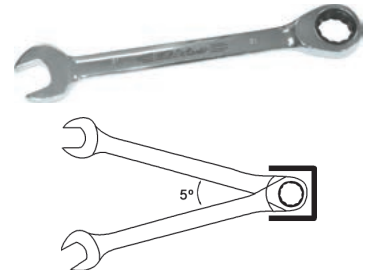
INCH


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

DIN 1711

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V


SET
MM

COD.	PCS.	Icon 1	COD.	(mm)
68230	6	90056	63790, 63792, 63794, 63795, 63799, 63801	8, 10, 12, 13, 17, 19
68231	A 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

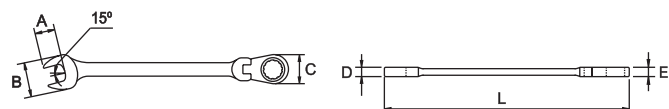

INCH

COD.	PCS.	Icon 1	COD.	(inch)
68232	6	90056	63806, 63807, 63808, 63809, 63812, 63813	5/16 - 3/8 - 7/16 - 1/2 - 11/16 - 3/4
68233	A 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


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

CLASSICGEAR ARTICULADA / CLASSICGEAR JOINT / CLASSICGEAR ARTICULÉE / 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



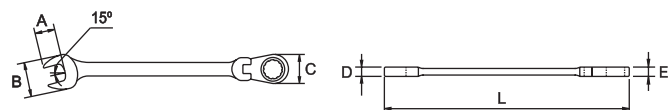
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
63833	6	124	10	17	17	4,2	7	50	10	A
63817	7									
63818	8	140	20	19	4,7	7,7	55			
63819	9									
63820	10	160	24	21	5,3	8,2	70			
63821	11									
63822	12	175	26	23	5,9	8,5	95			
63823	13									
63824	14	190	30	26	6,5	9,4	130			
63825	15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

DIN 1711

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
63834	5/16	140	10	20	19	4,7	7,7	50	10	A
63835	3/8									
63836	7/16	155	12	24	21	5,3	8,2	70		
63837	1/2									
63838	9/16	175	14	26	23	5,9	8,5	95		
63839	5/8									
63840	11/16	195	16	30	26	6,5	9,4	130		
63841	3/4									
63842	13/16	210	17	31	29	7,1	9,7	170		
63843	7/8									
63844	1	230	19	37	32	7,7	10,8	220		
63844	1									
63844	1	250	21	41	35	8,3	11,3	260		
63844	1									
63844	1	260	22	44	39	8,9	11,8	310		
63844	1									
63844	1	290	23	50	44	10,2	13,1	390		
63844	1									
63844	1	310	26	55	48	10,2	13,1	540		
63844	1									
63844	1	320	60	55	11,2	14,1	670			
63844	1									
63844	1	390	65	65	12,4	15,8	1040			
63844	1									

DIN 1711


CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

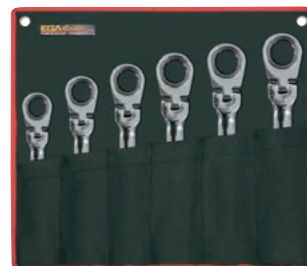
Cr-V

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


■ SET

■ MM

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

CLASSICGEAR



■ MM

COD.	PCS.
55654	A 186

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

CLASSICGEAR ART. / CLASSICGEAR JOINT



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

■ 180 PCS.

■ MM

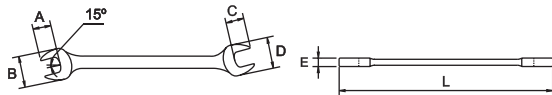
COD.	A		PCS.
65971	A		180

PCS.	COD.	Size	CLASSICGEAR
20	63792	10 mm	
	63794	12 mm	
	63795	13 mm	
16	63799	17 mm	
14	63801	19 mm	
	63820	10 mm	CLASSICGEAR ART. / CLASSICGEAR JOINT
20	63822	12 mm	
	63823	13 mm	
16	63827	17 mm	
14	63829	19 mm	



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

■ MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g	Icons
67963	4-4,5								
67965	4-5	100		13		14	3,4	10	
67967	5-5,5		9,0	14	9,0	16			
67907	5,5-7							20	
61701	6-7	125		16	10	18	3,9	22	
62928	7-8		9,5					25	
61702	8-9	140	10	19		21		38	
67908	8-10							40	
61703	10-11	155		21	11	24		50	
62629	10-13		11	26			5,5	55	
67909	11-13								
61704	12-13	175	12			28			
67910	12-14			28				70	
67911	13-14								
67912	13-15	190				32	6,0	100	
67913	13-16				15				
61705	14-15		14	30		33			5 ● B
67914	13-17					34		110	
62930	14-17	210		33			7,0		
61706	16-17			35	16	36		130	
67915	16-18								
61700	17-19		17					160	
61707	18-19	220	18	39	18	41			
67916	18-21					42	8,0		
62931	19-22	230	19	43	22	47		200	
61708	20-22								
61709	21-23	240							
63961	21-24	250	23	47	23	50		250	
67917	22-24								
61710	24-26	260					9,0		
61652	24-27		27	50	30	55		330	
61711	25-28	270						420	
61712	27-29	290	30		34	65	10	430	
67918	27-30	300	34	55	35	65		460	



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

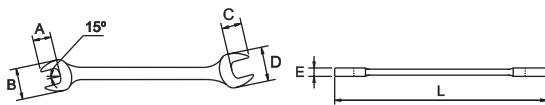
B Cromado aeroespacial / Aerospaceal chrome plating / Chromée aérospatiale / Verchromt aerospaceal / Cromate satinata / Cromado fosco aeroespacial / Матовый хром

COD.	AP mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g			
67919	27-32						10	460			
61713	30-32	320	34	60	35	65	11	500			
67970	36-41		36	80	42	70	12	850	5	●	B
67920	38-42	360		85	75		900				
67972	41-46	370	42	90	47	80	13	1200			
67974	46-50	400	47	100	50	90	14	1500			

DIN 3110

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

INCH


COD.	AP inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g			
60315	3/16-7/32	105	4		5	15	3,7	15			
60300	1/4-5/16	120	8,0	14	9,0	17	3,6	22			
60301	5/16-3/8	140	10	20			3,8				
67941	5/16-11/32		11		12	22		38			
67931	11/32-13/32	145	12	22			4				
60302	3/8-7/16	160			13	24		50	10		
67942	7/16-1/2	175		26	15	28	5,5	55			
60303	1/2-9/16		14	27			60				
60304	9/16-5/8	190	17	30	17	33		70			
60305	19/32-11/16				19		85				
60306	5/8-11/16	200	18	35	18	38	6,0	115			
67943	5/8-3/4	210			20	36	7,0	125			
60307	11/16-3/4	220		38		40	6,0	130			
60308	3/4-25/32			39	21	41	6,5	160		●	A
67934	3/4-13/16		21	44			190				
60309	3/4-7/8	230			24	48	7,0	200			
60310	13/16-7/8			45			7,5	250			
67944	7/8-15/16	250	25	47	28	50		260			
60311	15/16-1	260		50			330		5		
67945	15/16-1.1/8				29		8,0	370			
67939	1-1.1/16	280	26		28	60		390			
60312	1-1.1/8			55	30		420				
60313	1.1/16-1.1/8		28		31		8,5	430			
60314	1.1/16-1.1/4	320		60			500				
67940	1.1/8-1.1/4		35		36	65	10	550			
67961	1.3/16-1.5/16	300		70							
67968	1.3/8-1.1/2	320	36			70		650		1	
67946	1.7/16-1.5/8				42	80	12	850			



DIN 3110

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES


Cr-V

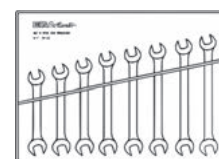
A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром
 B Cromado aeroespacial / Aerospaceal chrome plating / Chromée aérospatiale / Verchromt aérospatiale / Cromate satinata / Cromado fosco aeroespacial / Матовый хром

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■ SET

■ MM

COD.	PCS.		COD.	(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	B 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			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
69795	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, 24-27, 25-28, 30-32



■ INCH

COD.	PCS.		COD.	(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	A 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.	(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	B 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

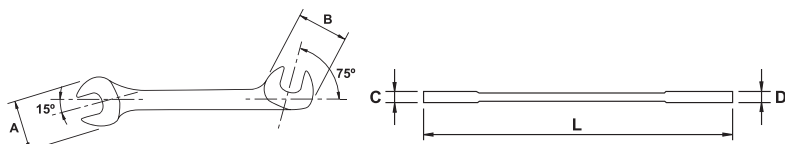
COD.	PCS.	COD.	(inch)
68467	6	60302, 60303, 60304, 60305, 60306, 60310	3/8 - 7/16 - 1/2 - 9/16 - 9/16 - 5/8 - 19/32 - 11/16 - 5/8 - 11/16 - 13/16 - 7/8
69452	8	60301, 60302, 60303, 60304, 60305, 60306, 60308, 60310	5/16 - 3/8 - 3/8 - 7/16 - 1/2 - 9/16 - 9/16 - 5/8 - 19/32 - 11/16 - 5/8 - 11/16 - 3/4 - 7/8 - 13/16 - 7/8
68468	A 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 pulido / Полированный хром

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

LLAVES FIJAS MICROMECAÑICAS A 15° Y 75° / 15° AND 75° MICROMECH OPEN END WRENCHES / CLÉS À FOURCHES MICROMÉCANIQUES À 15° ET 75° / DOPPEL-MAULSCHLÜSSEL ELEKTRIKER 15° UND 75° MAULEINSTELLUNG / CHIAVI FISSE MICRO MECCANICHE A 15° Y 75° / CHAVES DE BOCAS MICROMECAÑICAS DE 150 E 750 / ГАЕЧНЫЕ КЛЮЧИ МИКРОМЕШ НА 15 И 75 ГРАДУСОВ

■ MM

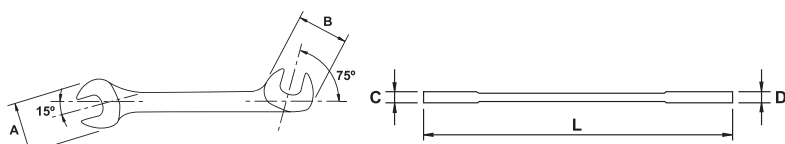


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
58520	3,2mm	70	10	10	2.4	2.4	6	20	●	B
58521	4mm									
58522	4,5mm									
58523	5mm	75	13	13	3	3	8	16	●	B
58524	5,5mm									
58525	6mm									
58526	7mm	80	15	15	3	3	10	16	●	B
58527	8mm									
58528	9mm									
58529	10mm	90	19	19	3	3	16	16	●	B
58530	11mm									
58531	12mm									
58532	13mm	100	22	22	3	3	22	16	●	B
58533	14mm									
58534	15mm									
58535	16mm	139.4	33	33	5	5	68	10	●	B
58536	17mm									


CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

■ INCH

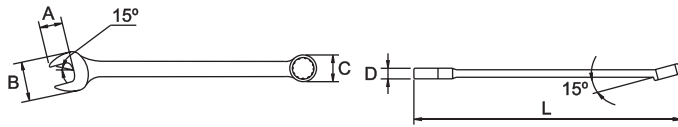


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
58537	5/32"	70	10	10	2.4	2.4	6	20	●	B
58538	3/16"									
58539	7/32"									
58540	1/4"	80	15	15	3	3	10	16	●	B
58541	9/32"									
58542	5/16"									
58543	11/32"	90	19	19	3	3	16	16	●	B
58544	3/8"									
58545	7/16"									
58546	1/2"	100	22	22	3	3	22	16	●	B
58547	9/16"									
58548	5/8"									
58549	11/16"	139.4	33	33	5	5	68	10	●	B


CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

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

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


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
63965	3,2	70		11	10		8,0			
63966	4	65	3,7	8,5	8,0		9,0			
67880	4,5	70	4,0	9,0	8,5	3,0	10			
63967	5	80	4,5	11	9,0					
67881	5,5			14	11		16			
61725	6	100	7,0	16	12		3,3			
61726	7	110					3,6			
61727	8	120	10	18	13		4,5			
61728	9	130		19	15		5,0			
61729	10	140	11	21	17					
61730	11		12	23	18	5,5	45		10	
61731	12	160	14	25	19		52			
61732	13		15	27	20		70			
61733	14	180		29	21	6,5	75			
61734	15	190	16	32	23		90			
61735	16	200		33	24					
61736	17	210	18	35	26	7,5	110			
61737	18			38			135			
61738	19	230	21	39	29		160			
61739	20	240	23	41	30		180			
61740	21	250	24	46	31	8,0	210			
61741	22	260	25	48	33		220			
61742	23						260			
61743	24	280	26	49	35		280			
61744	25			50	36		290			
61745	26	300	29		37	9,0	360			
61746	27	330		55	41	10	420		5	
61747	28		32	60			450			
61748	29	340			42		500			
61749	30		33	65	43	11	550			
61750	32	350			47					
57062	33	360	34	70	49		600			
60951	34	385				14				
57063	35	380	35	75	52		650			
60952	36	405	36	80	55	15	900			
57064	37	400		75	60	14	800			
60953	38	410	38	83	58	16	1000			
67895	40									
60954	41	450	41	88	63	17	1300			
57065	42	440	42	85	60		1200			
57066	44			90	65	16	1500		1	
60955	46	500	46	96	70	18	1800			
57067	48	530	48	100	75		2200			
60956	50	535	50		76	19	2300			
67882	55	600	60	105	80		3000			
67883	60	650	65	115	90	21	3550			
67884	65	700	70	125	95	23	3800			



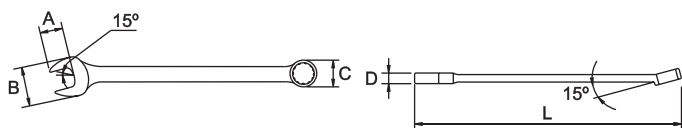
B

DIN 3113

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

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

INCH


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
67953	3/16	95	5,0			3,0	8,0		
67954	7/32			14	9,0				
61653	15/64	100	6,5			3,8	16		
60340	1/4								
67885	9/32	110	7	20	12,5	4	17		
60341	5/16	120	9,0	17	12	4,5	25		
67878	11/32	130	10	19	15		28		
60342	3/8	140	11	26	16	5,5	38		
58460	13/32	142,5	10	27	17	5			
60343	7/16	170	14	26		6,0	45		
58461	15/32	162,5	12	32	20	5,5	58		
60344	1/2	180	15	29	21	6,5	70	10	
58462	17/32	182,5	14	35	23		76		
60345	9/16	180	16	29	21	7,0	75		
60346	19/32	190		31	23		90		
60347	5/8	200	17	32	25	7,5			
58463	21/32	212,5		42	27	8	126		
60348	11/16	220	19	37	28	8,0	130		
58464	23/32	222,5	18	44	28,5	9	138		
60349	3/4	220	20	37	28		160		
60350	25/32	240	22	41	31	8,0	180		
60351	13/16	250	23	43	32	8,5	210		
58465	27/32	252,5	21	50	33,5	10			
60352	7/8	280	24	48	35	8,5	220	5	
58466	29/32	272,5	23	56	38	12	244	10	
60353	15/16	290	26	50	36	8,5	280	5	
58467	31/32	292,5	25	58	40	12	321	10	
60354	1	290	27	50	38		300		
60355	1.1/16	310	29	55	39	9,0	420		
60356	1.1/8	360	33		42	10	450	5	
60357	1.3/16			60	43		500		
60358	1.1/4	390	34		45	11	600		
60957	1.5/16	380		65	51	13			
60958	1.3/8		36				900		
60961	1.7/16	405		80	55	15			
60959	1.1/2	407	38	83	58		1000		
67840	1.9/16	410	39	80	60	16			
60962	1.5/8	446	41	88	63	17	1300		
67841	1.11/16	450		90	65				
60897	1.3/4								
60898	1.13/16	500	46	96	70	18	1800	1	
60899	1.7/8								
67842	1.15/16	550			75	19	2300		
60960	2	535	50		76				
60905	2.3/16"	600	55		80	20	2200		
61099	2.1/4"						2800		
67955	2.3/8	650	60	115	90	21	2900		
67956	2.1/2	700	65	125	95	23	2300		



DIN 3113

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES


Cr-V

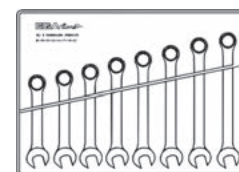
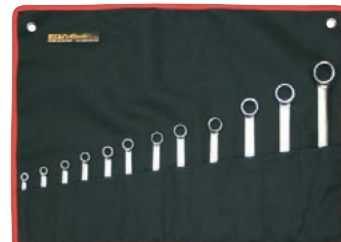
A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

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■ SET

■ MM

COD.	PCS.		COD.	(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



■ INCH

COD.	PCS.		COD.	(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	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			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.	(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	10	61727, 61728, 61729, 61730, 61731, 61732, 61733, 61736, 61738, 61741	8, 9, 10, 11, 12, 13, 14, 17, 19, 22
69451		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.	(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	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		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

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

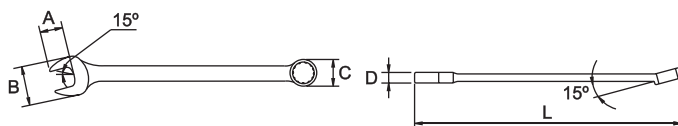
B Cromado aeroespacial / Aerospaceal chrome plating / Chromée aérospatiale / Verchromt aérospatiale / Cromate satinato / Cromado fosco aeroespacial / Матовый хром

EXPOSITORES / DISPLAYS / PRESENTOIRS / DISPLAY / ESPOSITORI / DISPLAY STAND / СТЕНДЫ
165 PCS.
MM

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


162 PCS.
INCH

COD.		PCS.
55657	A	162
PCS.	COD.	
20	60342	3/8"
	60343	7/16"
	60344	1/2"
	60345	9/16"
17	60347	5/8"
15	60348	11/16"
	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.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
56405	6	130		14	11	5	18			
56406	7	140	7	15	12	5,5	20			
56407	8	150	10	18	14	6	30			
56408	9	160		20	15	6,5	35			
56409	10	170	11	22	16	7	50			
56410	11	180	12	24	18	7,5	55			
56411	12	195	14	26	19	8	65	10	●	B
56412	13	210	15	27	21	8,5	95			
56413	14	220		30	22	9,5	115			
56414	15	230	16	32	23	10	120			
56415	16	240		34	24	11	160			
56416	17	250	18	37	27		190			
56417	18	270	21	38	28	12	195			



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 satinata / Cromado fosco aeroespacial / Матовый хром

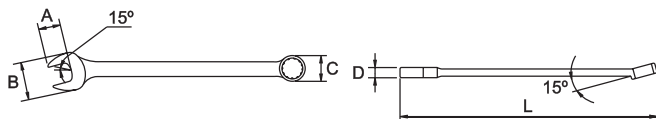
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COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
56418	19	280	21	40	29	13	260		
56419	20	290	23	42	30	13	300	10	
56420	21	300	24	43	32	14	320		
56421	22	310	25	45	33	14	330		
56422	23	330	26	46	34	15	380		
56423	24	340	26	50	36	16	450		
56424	25	350	29	53	37	17			● B
56425	26	370	29	54	38	18	530	5	
56426	27	390	32	56	40	19	760		
56427	28	390	32	57	41	19	760		
56428	29	410	32	59	43	20	820		
56429	30	420	33	60	44	20	820		
56430	32	440	34	65	47	21	1000		

DIN 3113

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

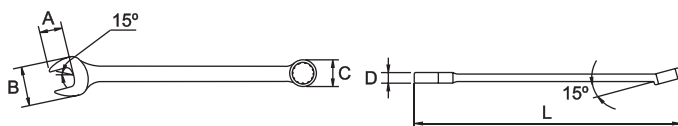
INCH


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

DIN 3113

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

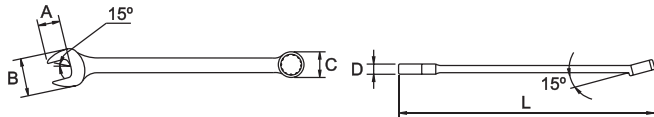
LLAVES COMBINADAS MAXI / MAXI COMBINATION WRENCHES / CLÉS MIXTES MAXI / MAXI RING-MAUL-SCHLÜSSEL / CHIAVI COMBINATE MAXI / CHAVAS COMBINADAS MAXI / КОМБИНИРОВАННЫЕ КЛЮЧИ МАКСИ
MM


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Kg		
55324	56	550	55	110	85	18	2,44		
55300	70	650	75	145	115	24	4,2		
55301	75	700	85	160	120	26	5,4	1	-
55302	80	750	95	180	140	27	7,1		
55303	85	750	95	180	140	27	7,1		
55304	90	750	95	180	140	27	7,1		
55305	95	750	95	180	140	27	7,1		
55306	100	800	105	195	150	27	8,4		

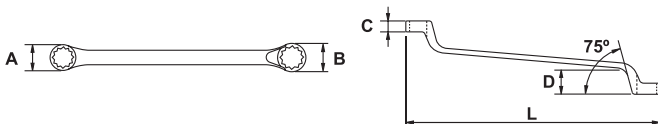
A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado pulido / Полированный хром

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

COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Kg		
55307	105	800	105	195	150	27	8,4		
55308	110	850	115	210	165		9,8	1	-
55309	115					28			
55310	120	900	125	230	180		12,1		
55311	125								

INCH


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


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


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
61774	5,5-6	165			4,5	19	45		
61775	6-7	170	11	12			50		
67843	7-8		13	16	6,5		55		
61776	8-9	180	15	17		17	65		
67844	8-10				7,0		55		
61777	10-11						85		
67845	10-12	200	17	19	7,5				
67846	10-13					22			
67847	11-13		19	20			90		
67848	11-14	220			9,0		110	10	
61778	12-13								B
67849	12-14			21		23	120		
67850	13-14						125		
61779	14-15	240		24	9,5		140		
67851	13-16		21						
67852	13-17	250		23	10		155		
67853	14-17					25	160		
61780	16-17	260	25	27	11		180		
67854	16-18		27		12		200		
67855	17-19	290		29	13		220		
61781	18-19		28			27	220	8	



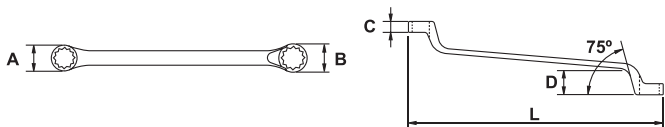
B Cromado aeroespacial / Aerspatial chrome plating / Chromée aérospatiale / Verchromt aerspatiale / Cromate satinata / Cromado fosco aeroespacial / Матовый хром

COD.	AP mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
67856	18-21						270		
67857	19-22	320	31	33		26	280	8	
61782	20-22		32	34	13		360		
61783	21-23		35				400		
67858	21-24	330		39			410		
67859	22-24		36			30	450		
61784	24-26			41					•
61788	24-27	340	37	42	15	31	490		
61785	25-28		39	43			600		B
61786	27-29	350				32	650	5	
67860	27-30	360	41	44			700		
61787	30-32	370	44	47	16	33	750		
67861	32-36	400		48	18	38	900		
67862	34-36	420	55	50		41	1100		
61789	36-41	550	70	75	19	49	1600		
67863	41-46	460	65	60	21	45	2000		
61790	46-50	550	70	75	20	50			

DIN 838

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

INCH


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

DIN 838

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES


Cr-V

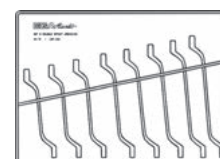


A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado pulido / Полированный хром
 B Cromado aerospacial / Aerospaceal chrome plating / Chromée aérospatiale / Verchromt aerospatiale / Cromate satinata / Cromado fosco aerospacial / Матовый хром


■ SET

■ MM

COD.	PCS.		COD.	(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	B 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.	(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	A 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

■ MM

COD.	PCS.	COD.	(mm)
68463	6	61778, 61775, 61776, 61777, 61779, 61780	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
68464	B 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.	(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	A 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

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 aeroespaciale / Cromate satinato / Cromado fosco aeroespacial / Матовый хром

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EXPOSITORES / DISPLAYS / PRESENTOIRS / DISPLAY / ESPOSITORI / DISPLAY STAND / СТЕНДЫ
165 PCS.
MM

COD.		PCS.
55658		B 165
PCS.	COD.	
	61775	6-7 mm
	61776	8-9 mm
20	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

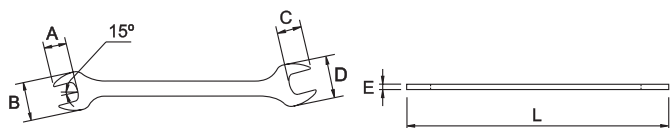
COD.		PCS.
55659		A 162
PCS.	COD.	
	60380	1/4-5/16"
	60381	5/16-3/8"
20	60382	3/8-7/16"
	60383	1/2-9/16"
	60384	9/16-5/8"
14	60385	19/32-11/16"
	67888	5/8-3/4"
12	60387	11/16-3/4"
	67889	11/16-13/16"
10	60390	13/16-7/8"


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.	
61727	Aerospacial / Aerospacial
38092	INOX
73062	1000V
70172	Cu-Be
70684	Al-Bron
71669	Titanio / Titanium

8



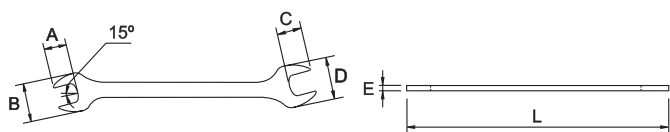
LLAVES FIJAS EXTRAFINAS / SLIM OPEN-END WRENCHES / CLÉS À FOURCHE EXTRA-FINES / DOPPELMAULSCHLÜSSEL EXTRA DÜNN / CHIAVI FISSE EXTRAFINE / CHAVE DE BOCAS EXTRA-FINA / ТОНКИЕ РОЖКОВЫЕ КЛЮЧИ
MM


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

ISO 3318

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V


INCH


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

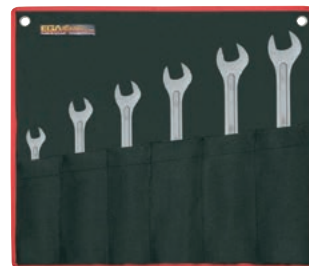
ISO 3318

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V


SET
MM

COD.	PCS.		COD.	(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	-


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

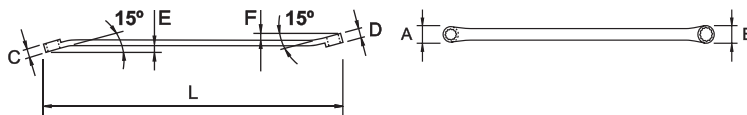
INCH

COD.	PCS.		COD.	(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 BOCHE A 15° / CHAVE DE LUNETA EXTRA-FINA DE 15° / ТОНКИЕ КЛЮЧИ ДВОЙНАЯ ЗВЕЗДОЧКА С ИЗГИБОМ НА 15°

MM



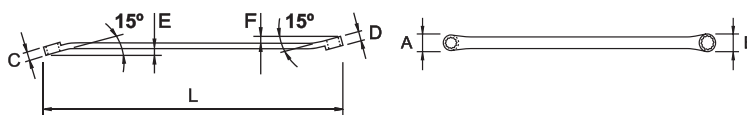
COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)			
58904	6-7	205	11	14	6,5	8	4	4	50		
58905	8-9	235	13	16	7,5		4,5	6	70		
58906	10-11	290	16	19	8	8,5	5	6,5	120		
58907	12-13	328	19	23	10	11	8	6	160	10	● B
58908	14-15	368	22	28	11	12	6	6	250		
58909	16-17	388	24	28	12,5	14	5	5	300		
58910	18-19	408	28	29	14	14,5	5	5	400		



CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

INCH



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)			
56230	7/32-1/4	205	11	14	6,5	7,5	4,0	4,0	50		
56231	1/4-5/16	235	13	16	7,5	8,0	4,5	6,0	70		
56232	5/16-3/8	290	16	19	8,0	9,0	5,0	5,5	120		
56233	3/8-7/16	330	19	21	10	11	8,0	6,5	160	10	● B
58911	5/8-11/16	390	25	27	13	14	5	5	300		
58912	11/16-3/4	410	27	29	14	15	5	5	400		




CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

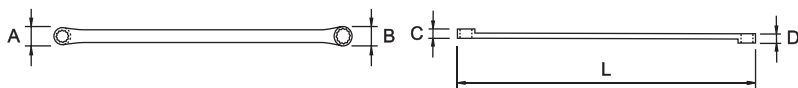
■ SET





■ INCH

COD.	PCS.		COD.	(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 BOCCHE 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	205	11	13	6.5	7.5	50		
56236	1/4-5/16							10	●
56237	5/16-3/8	235	13	16		8.0	75		B
56238	3/8-7/16	290	16	19	8.0	9.0	115		
56239	1/2-9/16	330	20	23	9.5	11	160		

DIN 838


CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V



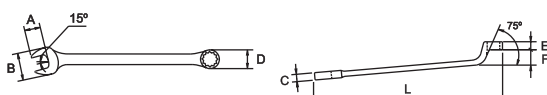
■ SET





■ INCH

COD.	PCS.		COD.	(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 / BOCA E LUNETA CONTRA-COTOVELO / КОМБИНИРОВАННЫЕ КЛЮЧИ С ГЛУБОКИМ ИЗГИБОМ

■ MM



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)			
60740	6	115	9,5	17	3,7	12	6,0	5,0	17		
60741	7	125	10	20	4,0	13	6,5	5,5	25	10	●
60742	8	140	11	23	4,5	14	7,5	6,0	23		B
60743	9	145				15		7,0	40		


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

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

DIN 3113-B

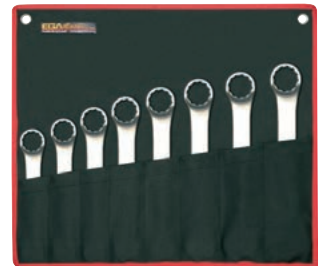
CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

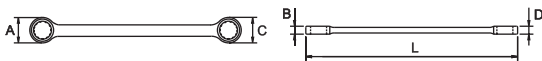
■ SET

■ MM

COD.	PCS.		COD.	(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, 15, 17, 18, 19, 22


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

■ MM



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


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

08

LLAVES
WRENCHES
CLÉS
SCHLÜSSEL
CHIAVI
CHAVES
КЛЮЧИ



COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)				
60782	30-32	335	48	14	45	14	530	5	●	B

DIN 837

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

SET

COD.	PCS.		COD.	(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



TORX®*

COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)				
57718	6x8	113	9	11	4.5	5.5	20			
57719	7x11	127	12	16	6	7	29			
57720	10x12	142	14	17	6.5	8	31	10	●	A
57721	14x18	182	17	21	8	10	75			
57722	16x22	204	19	26	9	12	115			
57723	20x24	224	25	29	11	13	160			

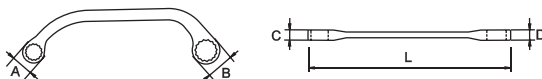


CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

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

MM



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



DIN 475

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

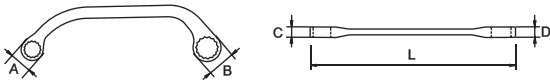
A Cromado pulido espejo / Mirror polished chrome plating / Polie chromée / Verchromt geschliffen / Cromate lucide / Cromado polido / Полированный хром

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

*Para tornillos TORX® (Marca registrada por Acument Intellectual Properties, LLC, Troy, Mich., US) / *For screws TORX® (Acument Intellectual Properties, LLC, Troy, Mich., US registered trademark) / *Pour vis TORX® (Marque enregistrée par Acument Intellectual Properties, LLC, Troy, Mich., US)

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ART IN INNOVATION

INCH


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g			
57148	1/4- 5/16	135	15	19	8,0	8,0	55			
57149	5/16- 3/8									
57150	7/16- 1/2	155	20	23	9,0	9,0	90	10	●	B
57151	9/16- 5/8	185	25	28	10	10	160			
57152	11/16- 3/4	210	28	31	11	11	210			
57153	13/16- 7/8	230	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.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	g		
60785	8-10	145	19	6,0	7,5	21	7,5		45		
60786	9-11	150	21	6,5	9,0	22		9,0	55	10	
60787	10-11			7,5		23	8,5				
60788	11-13	165	22	8,5	10	25		10	100		
60789	12-14	180	25	9,5	11	28	9,0	11		●	B
60790	17-19	210	31	14	15	34	12	13	165		
60791	19-22	230	34	18	17	39	14		200	8	
60792	22-24	250	39	17	18	41	15	16	290		
60793	24-27	260	42	18	21	46	16	17	280		
60794	30-32	280	48	22	24	50	20	23	460	6	

DIN 3118

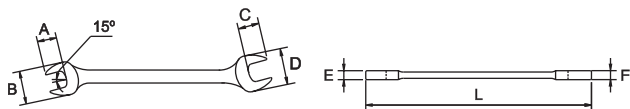
CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

SET
MM

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

DIN 895



■ SET

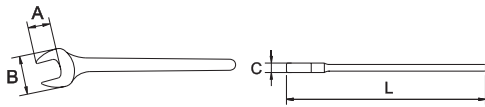
■ MM






COD.	PCS.		COD.	(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




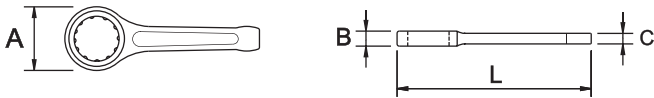
COD.		L (mm)		A (mm)	B (mm)	C (mm)			
60844	8	90	5/16	7,0	17	3,8	15		
60845	9	100	-	9,5	20	3,9	18		
60846	10	105	-	11	22	4,5	20		
60847	11	110	7/16	12	23	-	23		
60848	12	125	-	13	25	5,5	27		
60849	13	130	-	14	28	-	37		
60850	14	140	9/16	15	29	6,0	-	10	
60851	15	150	-	-	32	-	42		
60852	16	155	-	16	-	-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






DIN 894

SET
MM

COD.	PCS.		COD.	(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


LLAVES DE GOLPE SEGURIDAD TOTAL / TOTAL SAFETY SLOGGING WRENCHES / CLÉS À FRAPPER SÉCURITÉ ASSURÉE / SCHLAGRINGSCHLÜSSEL MIT SICHERUNG / CHIAVI A BATTERE SICUREZZA TOTALE / CHAVES DE LUNETA SÉRIE PANCADA DE SEGURANÇA TOTAL / КОЛЬЦЕВОЙ УДАРНЫЙ КЛЮЧ-ЗВЕЗДОЧКА С ПОДВЕСКОМ
MM


COD.		L (mm)	A (mm)	B (mm)	C (mm)		
AD574257	22	155	38	13	8		
AD574267	23						
AD574277	24	165	42	14	8,5	0,2	
AD574287	25						
AD574297	26						
AD562957	27	175	46		9,5	0,3	
AD574307	28						
AD574317	29		50	16		0,4	
AD562967	30	185					
AD574327	31						
AD574337	32		55		11	0,5	5
AD574347	33			18			
AD574357	34	210					
AD574367	35			19		0,6	
AD574377	36		60				
AD574387	37	220					
AD574397	38			20	12	0,7	
AD574407	41	225	65				
AD574417	42						
AD574427	45						
AD574437	46	240	75	22	13	1	
AD574447	47						
AD574457	48						
AD574467	50	250	80	23		1,2	
AD574477	52				14		
AD574487	54						
AD574497	55		85	24		1,4	
AD574507	56						
AD574517	58						
AD574527	59	270					
AD574537	60		90	26	15	1,6	1
AD574547	61						
AD574557	62						
AD574567	63						
AD574577	64	300	100	30	16	1,9	
AD562977	65						
AD574587	66						
AD574597	67						
AD574607	68	320	110	32	17	2,3	
AD574617	69						



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg	
AD574627	70						
AD574047	71	320	110	32	17	2,3	
AD574057	72						
AD574067	73						
AD574077	74	330	115	33	18	2,9	
AD574087	75						
AD585817	80	350	125	34	19	3,6	1
AD585827	85	360	130	36	20	3,9	
AD585837	90	380	135	39	23	5,0	
AD585847	95	390	145	43	25	6,0	
AD585857	100	410	150	43	25	6,5	
AD585867	105	420	155	45	28	8,0	
AD585877	110	450	170	45	28	9,5	
AD585887	115						

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg	
AD574657	7/8	155	38	13	8	0,2	
AD574667	15/16	165	42	14	9		
AD574677	1	175	46		10	0,3	
AD574687	1.1/16			16			
AD574697	1.1/8		50			0,4	
AD574707	1.3/16	185					
AD574717	1.1/4		55		11		
AD574727	1.5/16			18		0,5	5
AD574737	1.3/8	210		19			
AD574747	1.7/16		60				
AD574757	1.1/2	220					
AD574767	1.9/16			20	12	0,7	
AD574777	1.5/8	230	65				
AD574787	1.11/16						
AD574797	1.3/4						
AD574807	1.13/16	240	75	22	13		
AD574817	1.7/8					1	
AD574827	1.15/16						
AD574837	2	250	80	23			
AD574847	2.1/16				14		
AD574857	2.1/8		85	24		1,4	
AD574867	2.3/16						
AD574877	2.1/4	270					
AD574887	2.5/16				15	1,6	1
AD574897	2.3/8		90	26			
AD574907	2.7/16						
AD574917	2.1/2						
AD574927	2.9/16	300	100	28	16	2,3	
AD574937	2.5/8						
AD574947	2.11/16	320	110	32	17	2,5	
AD574957	2.3/4						



■ ACCESORIOS / ACCESSORIES / ACCESSOIRES / ERSATZTEILE / ACCESSORI / ACESSORIOS / ЗАПАСНЫЕ ЧАСТИ
■ MM

COD.	Descripción / Description / Description	Válido para / Valid for / Valable pour
89129		AD574257
89130		AD574267
89131		AD574277
89132		AD574287
89133		AD574297
89134		AD562957
89135		AD574307
89136		AD574317
89137		AD562967
89138		AD574327
89139		AD574337
89140		AD574347
89141		AD574357
89142		AD574367
89143		AD574377
89144		AD574387
89145		AD574397
89148		AD574407
89149		AD574417
89152		AD574427
89153		AD574437
89154		AD574447
89155		AD574457
89157		AD574467
89159		AD574477
89161		AD574487
89162	Set 5 pcs hilo tórico / Set of 5 o-ring cords / Jeu de 5 pcs corde	AD574497
89163		AD574507
89165		AD574517
89166		AD574527
89167		AD574537
89168		AD574547
89169		AD574557
89170		AD574567
89171		AD574577
89172		AD562977
89173		AD574587
89174		AD574597
89175		AD574607
89176		AD574617
89177		AD574627
89178		AD574047
89179		AD574057
89180		AD574067
89181		AD574077
89182		AD574087
89220		AD585817
89221		AD585827
89222		AD585837
89223		AD585847
89224		AD585857
89225		AD585867
89256		AD585877
89257		AD585887


■ INCH

COD.	Descripción / Description / Description	Válido para / Valid for / Valable pour
89187		AD574657
89188		AD574667
89189		AD574677
89190		AD574687
89191		AD574697
89192		AD574707
89193		AD574717
89194		AD574727
89195		AD574737
89197		AD574747
89198		AD574757
89199		AD574767
89200		AD574777
89201		AD574787
89202	Set 5 pcs hilo tórico / Set of 5 o-ring cords / Jeu de 5 pcs corde	AD574797
89203		AD574807
89204		AD574817
89205		AD574827
89206		AD574837
89207		AD574847
89208		AD574857
89209		AD574867
89211		AD574877
89212		AD574887
89213		AD574897
89214		AD574907
89215		AD574917
89216		AD574927
89217		AD574937
89218		AD574947
89219		AD574957

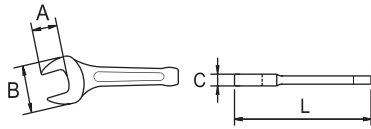

■ MM / INCH

COD.	Descripción / Description / Description
89021	
89022	
89023	
89016	Grillete / Shackle / Manille
89017	
89018	
89018	



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

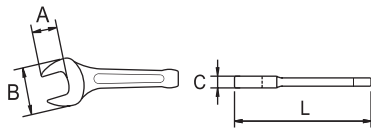
■ MM



COD.	AP mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg			
67423	17					0,1			
67424	19	125	19	41					
67425	21				12	0,2			
67426	22	135	22	46					
60871	24	150	24	50			5	•	
60903	26					0,4			
60872	27	175	27	60	15				
60873	30		30						
60874	32	190	32	65	16	0,6			
67427	34	200	34	70					
60875	36	210	36	75	17	0,7			
67428	38	220	38	80		0,8			
60876	41	230	41	90	18	0,9			
60877	46	250	46	100	20	1,5			
60878	50								
67563	52	280	50	110	21				
67435	54	305		117		2			
60879	55	300	55	120					
67436	56	305		117	23				
60880	60	320	60	130		3			
60927	65	340	65	140	28				
60928	70	370	70			5			
60929	75	380	75	160	29	6			
60930	80								
60931	85	400	85	175	32	7			
60932	90					10			
60933	95	450	95	195	36	11			
60934	100								
60935	105	490	105		43	14	1	-	
60936	110			230					
60937	115	500	115		45				
60938	120								
67429	125		125	250		19			
67430	130	550			50				
67431	135		135	270					
67432	140								
67433	145	650	145	290	55	24			
67434	150		150						
57050	155	645	160	310	60	27			
57051	160								
57052	165								
57053	170	705	170	330		30			
57054	175				65				
57055	180	720	180	350		33			
57056	185								
57057	190	755	190	370		39			
57058	195				70	46			
57059	200	760	200	390		50			



DIN 133

INCH


COD.	AF ^{inch}	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
67437	3/4	125		41	7	0,1		
67438	7/8	135	12	47	7	0,2		
67439	15/16	150		50	8			
60966	1					0,4	5	•
60967	1.1/16	165	14	60	9			
67440	1.1/8					0,5		
60968	1.3/16							
60969	1.1/4	190	16	70	10	0,6		
67441	1.5/16							
67442	1.3/8	210	17	75		0,7		
67443	1.7/16					0,8		
67444	1.1/2	220	18	80	12			
67445	1.9/16					0,9		
60970	1.5/8	230	19	90				
67446	1.11/16							
67447	1.3/4					1,2		
60971	1.13/16	250	20	100	13			
67448	1.7/8							
67449	1.15/16					1,4		
60972	2	280	21	110				
67450	2.1/16				14			
67451	2.1/8	310	23	120		1,8		
67452	2.3/16							
67453	2.1/4							
67454	2.5/16					2,1		
60973	2.3/8			130	15			
67455	2.7/16	320	24					
67456	2.1/2							
60974	2.9/16					2,9		
67457	2.5/8							
67458	2.11/16							
60975	2.3/4	330	26	140	17	3,6	1	-
67459	2.13/16							
67460	2.7/8							
60976	2.15/16	340	28	150	18	4		
60977	3							
67461	3.1/16	360	29	160	19			
60978	3.1/8							
58093	3.3/16	200	85	174	18	5,5		
67462	3.1/4							
67463	3.5/16	360	29	160	19			
67464	3.3/8							
67465	3.7/16							
67466	3.1/2							
67467	3.9/16	400	33	185	22	7		
67468	3.5/8							
67469	3.11/16							
60979	3.3/4							
67470	3.13/16							
67471	3.7/8							
67472	3.15/16							
60980	4	430	40	200	24	11		
67473	4.1/16							
60981	4.1/8							
67474	4.3/16							



COD.	AP inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
67475	4.1/4							
67476	4.5/16							
67477	4.3/8	500	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	4.15/16	550	50					
67485	5							
67486	5.1/4							
67487	5.5/16			270	30	18		
67488	5.3/8							
67489	5.1/2							
67490	5.3/4	650	55	290	32	24		
67491	6						1	-
58075	6.1/8							
58076	6.1/4	645	160	305	60	28		
58077	6.3/8							
58078	6.1/2							
58079	6.9/16	705	170	325		34		
58080	6.5/8							
58081	6.3/4				65			
58082	6.7/8							
58083	7	720	180	345		38		
58084	7.1/8							
58085	7.1/4							
58086	7.3/8	755	190	365		42		
58087	7.1/2							
58088	7.5/8				70			
58089	7.9/16							
58090	7.3/4	770	200	385		48		
58091	7.7/8							
58092	8							

DIN 133

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

MM



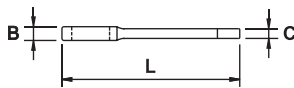
COD.	AP mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
68927	17							
68928	19	145	32	12	7			
68929	22	155	38	13	8	0,2		
68930	24	165	42	14	9			
68931	27	175	46		10	0,3		
68932	30	185	50	16		0,4	5	•
68933	32		55		11	0,5		
68934	36	210	60	19		0,6		
68935	41	230	65	20	12	0,7		
68936	46	240	75	22	13	1		
68937	50	250	80	23	14	1,2		
68938	55	270	85	24		1,4	1	-
68939	60		90	26	15	1,6		
68940	65	300	100	30	16	1,9		



COD.	AP mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
68941	70	320	105	32	17	2,3		
68942	75	330	115	33	18	2,9		
68943	80	350	125	34	19	3,6		
68944	85	360	130	36	20	3,9		
68945	90	380	135	39	23	4,8		
68946	100	410	148	43	25	5,8		
68947	110	450	170	45	28	8	1	-
68948	120	480	180	50	30	10		
68949	130	510	200	55	31	12		
68950	140	520	210					
68951	150	570	220	60	32	14		
68952	160	590	240		33	16		

DIN 7444

INCH



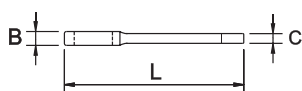
COD.	AP inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
68687	5/8	145	32	12	7			
68614	3/4					0,2		
68615	7/8	155	38	13	8			
68616	15/16	165	42	14	9			
68617	1	175	46		10	0,3		
68618	1.1/16							
68619	1.1/8		50	16		0,4	5	•
68620	1.3/16	185						
68621	1.1/4		55		11			
68622	1.5/16			18		0,5		
68623	1.3/8	210		19				
68624	1.7/16		60					
68625	1.1/2	220						
68626	1.9/16			20	12	0,7		
68627	1.5/8	230	65					
68628	1.11/16							
68629	1.3/4							
68630	1.13/16	240	75	22	13			
68631	1.7/8					1		
68632	1.15/16	250	80	23				
68633	2				14			
68634	2.1/16					1,4		
68635	2.1/8		85	24				
68636	2.3/16							
68637	2.1/4	270						
68638	2.5/16		90	26	15	1,6		
68639	2.3/8						1	-
68640	2.7/16							
68641	2.1/2							
68642	2.9/16	300	100	30	16	2,3		
68643	2.5/8							
68644	2.11/16							
68645	2.3/4	320	110	32	17	2,5		
68646	2.13/16							
68647	2.7/8							
68648	2.15/16	330	115	33	18	3,2		
68649	3							
68650	3.1/16							
68651	3.1/8	350	125	34	19	3,6		
68652	3.1/4	360	130	36	20	3,9		



COD.	AP inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
68653	3.5/16							
68654	3.3/8	360	130	36	20	3,9		
68655	3.1/2							
68656	3.9/16	380	135			4,8		
68657	3.5/8			39	23			
68658	3.11/16	390	140			5,2		
68659	3.3/4							
68660	3.13/16							
68661	3.7/8	410	150			5,8		
68662	3.15/16			43	25			
68663	4							
68664	4.1/16	420	155			6,5		
68665	4.1/8							
68666	4.3/16							
68667	4.1/4							
68668	4.5/16	450	160	45	28	8	1	-
68669	4.3/8							
68670	4.1/2		170			9,6		
68671	4.9/16							
68672	4.5/8							
68673	4.11/16							
68674	4.3/4	480	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	5.5/16	520				12		
68681	5.3/8		210					
68682	5.1/2			60	32			
68683	5.3/4	570	220			14		
68684	6	590				16		

DIN 7444

MM



COD.	AP mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
67310	17							
67311	18	145	32	12	7			
67312	19							
67313	20							
67314	21	155	38	13	8	0,2		
67315	22							
67316	23							
60881	24	165	42	14	8,5			
67317	25							
60904	26							
60882	27	175	46		9,5		5	•
67318	28					0,3		
67319	29			16				
60883	30	185	50			0,4		
67320	31							
60884	32		55		11			
67321	33			18		0,5		
67322	34	210						
67323	35		60	19				
60885	36					0,6		



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
67324	37		60			0,6		
67325	38	220				0,7		
67274	39	215	61	20	12	0,6		
60886	41						5	
60887	42	225	65			0,7		
67326	45							
60888	46	240	75	22	13			
67327	47					1		
67422	48							
60889	50	250	80	23				
67328	52				14	1,2		
67329	54							
60890	55		85	24				
67330	56					1,4		
67331	58	270						
67332	59							
60891	60		90		15			
67333	61			26		1,6		
67334	62							
67335	63							
67336	64	300	100		16			
60939	65			30		1,9		
67337	66							
67338	67							
67339	68							
67340	69	320	110	32	17	2,3		
60940	70							
67341	71							
67342	72							
67343	73							
67499	74							
60941	75	330	115	33	18	2,9		
67344	76							
67345	77							
67346	78						1	
67347	79	350	125	34	19	3,6		
60942	80							
67348	82							
67492	84	360	130	36	20	3,9		
60943	85							
67349	88	380	135					
60944	90			39	23	5		
67350	94	390	145					
60945	95							
67351	98							
60946	100	410	150			6		
67308	102			43	25			
60947	105					6,5		
67309	107	420	155			7,0		
67368	108							
60948	110	450	170	45	28	8,0		
60949	115					9,5		
60950	120	480	180	50	30	10		
67352	125							
67353	130	510	195	55	31	12		
67354	135							
67355	140	520	210					
67356	145							
67357	150	570	220	60	32	14		
67358	155							
67359	160	590	240		33	16		
67360	165							

COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
67361	170							
67362	175	650	270	65	34	25		
67363	180							
67364	185	690	280	70		33	1	-
67365	190				35			
67366	195	710	300	75		36		
67367	200							

DIN 7444

INCH



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
67369	1/2	100	24	9	5	0,1		
67370	3/4	145	32	12	7			
67371	7/8	155	38	13	8	0,2		
67372	15/16	165	42	14	9			
60983	1	175	46		10	0,3		
60984	1.1/16							
67373	1.1/8		50	16		0,4		
60985	1.3/16	185						
60986	1.1/4		55	18	11		5	•
67374	1.5/16					0,5		
61294	1.3/8	210		19				
67375	1.7/16		60					
61295	1.1/2	220						
61296	1.9/16							
60987	1.5/8	230	65	20	12	0,7		
67376	1.11/16							
67377	1.3/4							
60988	1.13/16	240	75	22	13			
67378	1.7/8					1		
67379	1.15/16	250	80	23				
60989	2							
67380	2.1/16				14			
67381	2.1/8		85	24		1,4		
67382	2.3/16							
67383	2.1/4	270						
67384	2.5/16		90	26	15	1,6		
60990	2.3/8							
67385	2.7/16							
67386	2.1/2							
60991	2.9/16	300	100	28	16	2,3		
67387	2.5/8							
67388	2.11/16						1	-
60992	2.3/4	320	110	32	17	2,5		
67389	2.13/16							
67390	2.7/8							
60993	2.15/16	330	115	33	18	3,2		
60994	3							
67391	3.1/16	350	125	34	19	3,6		
60995	3.1/8							
58071	3.3/16	355	124			3,6		
67392	3.1/4							
67393	3.5/16	360	130	36	20	3,9		
67394	3.3/8							
67395	3.1/2	380	135	39	23	4,8		
67396	3.9/16							



COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
67397	3.5/8							
67398	3.11/16	390	140	39	23	5,2		
60996	3.3/4							
67399	3.13/16							
67400	3.7/8	410	150			5,8		
67401	3.15/16							
60997	4			43	25			
67402	4.1/16	420	155			6,5		
60998	4.1/8							
67403	4.3/16							
67404	4.1/4		160			8		
67405	4.5/16	450		45	28			
67406	4.3/8							
60999	4.1/2							
67407	4.9/16		170			9,6		
67408	4.5/8							
67409	4.11/16							
67410	4.3/4	480	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		1	-
67416	5.5/16	520				12		
67417	5.3/8							
67418	5.1/2		210					
67419	5.3/4	570		60	32	14		
67420	6	590	220			16		
57136	6.1/8	565				13,7		
57139	6.1/4							
58055	6.3/8	585	240	58	33	16		
58056	6.1/2							
58057	6.9/16							
58058	6.5/8							
58059	6.3/4	645	265	64	34	25		
58060	6.7/8							
58061	7							
58062	7.1/8							
58063	7.1/4	685	285	70		33		
58064	7.3/8							
58065	7.1/2				35			
58066	7.9/16							
58067	7.5/8							
58068	7.3/4	710	295	75		36		
58069	7.7/8							
58070	8							

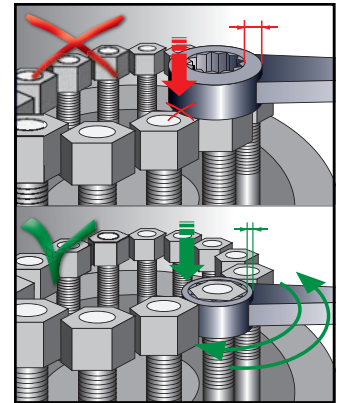
DIN 7444

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

MM



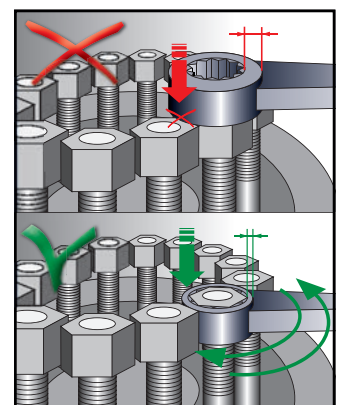
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
56300	27	250	43	16	17	0,6		
56301	30	256	47	18	19	0,75		
56302	32	260	49	19			5	•
56303	36	270	55	22	21	1,05		
56304	41	278	61	24	23	1,25		
56305	46	287	67	26	24	1,50		
56306	50	296	72	28	25	1,75		
56307	55	303	78	30	27	2		
56308	60	315	85	33	28	2,35		
56309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



INCH

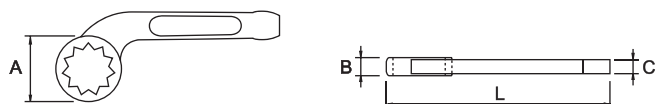


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
56321	1.1/16	250	43	16	17	0,6		
56322	1.1/4	260	49	19		0,75		
56323	1.7/16	270	55	22	21	1,05	5	•
56324	1.5/8	278	61	24	22.5	1,25		
56325	1.13/16	287	67	26	24	1,5		
56326	2	296	72	28	25	1,75		
56327	2.3/16	303	78	30	26.5	2		
56328	2.3/8	315	85	33	28	2,35	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

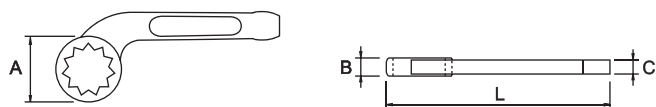
MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
58360	19							
58361	20	160			8,5			
58362	21							
54950	22	140	42	14	9	250		
58363	23				8,5			
54951	24	160			9			
58364	25				8,5			
58365	26				9,5			
54952	27	175	46		10	330		
58366	28			16	9,5			
58367	29		54		10,5			
54953	30	190	55			515		
54954	32				11			
58368	34	210	58	19		630	1	
54955	36		60					
58369	38	225	64					
58370	40			20	12	870		
54956	41	230	65					
58371	42	225	64					
54957	46	240	75	22	13	1100		
54958	50	260	80	23		1300		
54959	55	270	85	24	14	1500		
54960	60	290	90	26	15	2000		
54961	65	300	100	30	16	2500		
54962	70	320	110	32	17	2800		
54963	75	330	115	33	18	3200		
58372	80	350	124	34	19	3900		

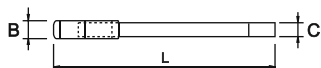
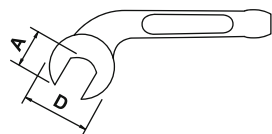


INCH

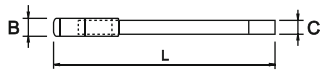
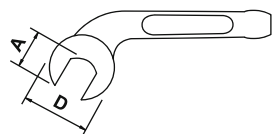


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
58376	3/4"							
58377	7/8"	160	42	14	8,5	250		
58378	15/16"							
58379	1"	175	46		9,5	380		
58380	1.1/8"			16				
58381	1.1/4"	190	54		10,5	500		
58382	1.3/8"	210	58	19	11	620		
58383	1.1/2"	225	64	20	12	865	1	
58384	1.5/8"							
58385	1.3/4"	240	73	22	13	1125		
58386	1.7/8"							
58387	2"	255	78	23	13,5	1250		
58388	2.1/4"	285	92	25,5	15	2200		
58389	2.1/2"	300	102	30	16	2600		
58390	2.3/4"	320	108	31,5	17	2800		
58391	3"	330	113	33	18	3150		



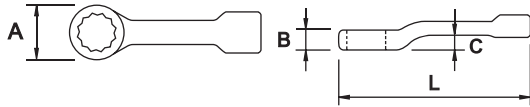
LLAVE FIJA GOLPE CURVA / CURVED OPEN END SLOGGING WRENCH / CLÉ À FOURCHE À FRAPPER COUDÉE / GEBOGEN SCHLAGMAULSCHLÜSSEL / CHIAVE FISSA A BATTERE CURVA / CHAVE DE BOCA DE PANCADA CURVA / УДАРНЫЙ ИЗОГНУТЫЙ ГАЕЧНЫЙ КЛЮЧ
MM


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g	
58396	19	140	19	10	7	40,5	140	
58397	20		22	11	7,5	46	175	
58398	21		24	12	8	50	200	
58399	22	150	24	12	8	50	200	
58400	23		24	12	8	50	200	
58401	24		24	12	8	50	200	
58402	25	175	27	15	9	57	400	
58403	26		27	15	9	57	400	
58404	27		27	15	9	57	400	
58405	28	190	30	16	10	66	750	
58406	29		30	16	10	66	750	
58407	30		30	16	10	66	750	
58408	32	210	32	17	11,5	75	1130	1
58409	34		32	17	11,5	75	1130	
58410	36		32	17	11,5	75	1130	
58411	38	230	36	17	11,5	75	1130	
58412	40		36	17	11,5	75	1130	
58413	41		36	17	11,5	75	1130	
58414	42	250	41	18,5	12	87	1130	
58415	46		41	18,5	12	87	1130	
58416	40		41	18,5	12	87	1130	
58417	46	275	46	20	13	98	1250	
58418	50		46	20	13	98	1250	
58419	50		46	20	13	98	1250	
58420	55	305	50	20,5	13,5	108	1700	
58421	60		50	20,5	13,5	108	1700	
58422	60		50	20,5	13,5	108	1700	
58423	55	315	55	23	14	117	2300	
58424	60		55	23	14	117	2300	
58425	60		55	23	14	117	2300	
58426	65	335	60	23,5	15	128	2800	
58427	65		60	23,5	15	128	2800	
58428	65		60	23,5	15	128	2800	
58429	70	370	65	27,5	16	140	3600	
58430	70		65	27,5	16	140	3600	
58431	70		65	27,5	16	140	3600	
58432	75	375	70	28,5	17	155	4400	
58433	75		70	28,5	17	155	4400	
58434	75		70	28,5	17	155	4400	
58435	80	400	75	29	18	160	4700	
58436	80		75	29	18	160	4700	
58437	80		75	29	18	160	4700	
58438	80	400	80	32	19	175	6100	
58439	80		80	32	19	175	6100	
58440	80		80	32	19	175	6100	

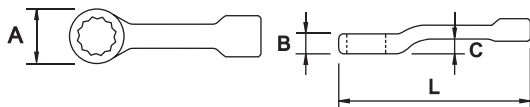

INCH


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g	
58430	3/4"	140	19	10	7	40,5	140	
58431	7/8"	150	22	11	7,5	46	170	
58432	15/16"		24	12	8	50	200	
58433	1"	175	27	15	9	57	500	
58434	1.1/8"	190	30	16	10	66	550	
58435	1.1/4"		32	16	10	66	550	
58436	1.3/8"	210	36	17	11,5	75	800	
58437	1.1/2"	230	38	18,5	12	87	1250	
58438	1.5/8"		41	18,5	12	87	1250	
58439	1.3/4"	250	46	20	13	98	1600	1
58440	1.7/8"		46	20	13	98	1600	
58441	2"	275	50	20,5	13,5	108	3100	
58442	2.1/4"		50	20,5	13,5	108	3100	
58443	2.1/2"	335	60	23,5	15	128	4600	
58444	2.3/4"		60	23,5	15	128	4600	
58445	3"	375	75	29	18	160	4600	







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


INCH


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



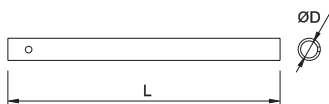
COD.		L (mm)	A (mm)	B (mm)	C (mm)			
55044	1.15/16							
55045	2	350	80	32	38	3		
55046	2.1/16							
55047	2.1/8	360	85	33	39	3,9		
55048	2.3/16							
55049	2.1/4							
55050	2.5/16	380	90	35	41	4,1		
55051	2.3/8							
55052	2.7/16							
55053	2.1/2							
55054	2.9/16	390	95	38	44	4,2		
55055	2.5/8							
55056	2.11/16							
55057	2.3/4	400	105	41	47	5,1		
55058	2.13/16							
55059	2.7/8							
55060	2.15/16	420	110	43	49	5,5		
55061	3							
55062	3.1/16	440				6,9		
55063	3.1/8							
55064	3.1/4		125	45	50			
55065	3.5/16	460				7,3		
55066	3.3/8							
55067	3.1/2							
55068	3.9/16							
55069	3.5/8	480	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		155	49		10,9		
55075	4							
55076	4.1/16	520						
55077	4.1/8							
55078	4.3/16							
55079	4.1/4							
55080	4.5/16		170	50	60	12		
55081	4.3/8							
55082	4.1/2	550						
55083	4.9/16							
55084	4.5/8							
55085	4.11/16							
55086	4.3/4	590	180	55	64	14		
55087	4.13/16							
55088	4.7/8							
55089	4.15/16							
55090	5							
55091	5.1/4	620	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 / ИЗГНУТАЯ ЗВЕЗДОЧКА ДЛЯ УДЛИНИТЕЛЯ

MM



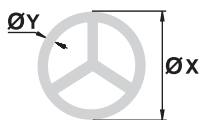
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g	
65888	24	180		38		390	
65889	27	190	17	42	18	420	
65890	30	200		48		500	
65891	32	230	18	49		750	
65892	36	240	20	55			
65893	38				21	800	
65894	41	260	21	60		950	
65895	46	280	23	70		1150	
65896	50	290	25	75	24	1350	
65897	55	300	28	80		1450	
65898	60	340	31	90		2150	1
65899	65	350	33	100		2500	
65900	70	360	36	105		2850	
65901	75	370	38	110		2050	
65902	80				29	3750	
65903	85	380	41	125		3550	
65904	90					5150	
65905	95	410		140		4900	
65906	100		45			5000	
65907	105	420		150		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 LUNETA CURVA / УДЛИНИТЕЛЬ ДЛЯ КЛЮЧА ИЗГНУТАЯ ЗВЕЗДОЧКА


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


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

MM

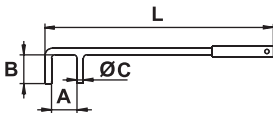


COD.	L (mm)	Ø x (mm)	Ø y (mm)	Kg	
54972	550	125-250	<= 35	1,4	1

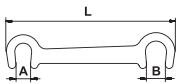


INCH

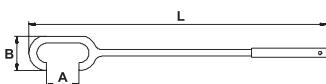

COD.	L (mm)	Ø x (inch)	Ø y (mm)	Kg	
62803	210	2-7	<= 12	0,2	
62804	400	8-15	<= 24	1,3	
62805	490		<= 30	1,7	1
62806	800	16-20		5,5	


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


COD.	L (mm)	A (mm)	B (mm)	Ø C (mm)	Kg	
54974	300	35	33		0,45	
54975	350	45	40	17	0,5	
54976	400	50	45		0,8	
54977	450	55	50		1	
54978	500	60	55		1,2	
54979	550	65	60	18	1,4	
54980	600	70	65		1,5	
54981	650	75	70		1,6	1
54982	700	80	70		2,3	
54983	750	85	75		2,4	
54984	800	90	85		2,5	
54985	850	95	85	20	2,6	
54986	900	100	95		2,8	
54987	950	100	95		2,9	
54988	1000	105	100		5,5	
54989	1200			25		


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


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

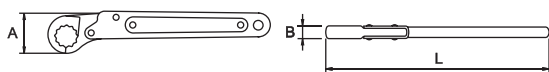

LLAVE EN "C" / C WRENCH / CLÉ EN C / C SCHLÜSSEL / CHIAVE A C / CHAVE EM C / С-ОБРАЗНЫЙ КЛЮЧ
MM


COD.	L (mm)	A (mm)	B (mm)	Kg	
54997	450	40	55	1	1



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

■ MM



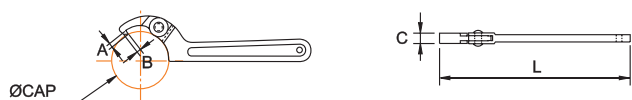
COD.	AF mm	L (mm)	A (mm)	B (mm)	g		
65089	10				80		
65090	11				85		
65091	12	135	24	7,0			
65092	13				90		
65093	14						
65095	17		30		140	6	
65096	19	185	32	8,0	180		
65098	22						
65099	24	230	39	11	230		
65100	27	320	49	13	320		
65102	32		50	18			



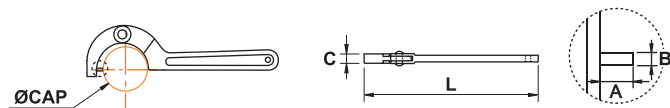
■ SET

■ MM

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

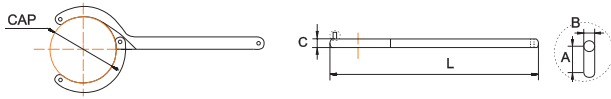

LLAVE DE GANCHO ARTICULADA / ADJUSTABLE HOOK SPANNER / CLÉ À ERGOT ARTICULEE / ZANGE MIT VERSTELLBARE BACKE / CHIAVE A SETTORE REGOLABILE / CHAVE DE GANCHO ARTICULADA / РУГУЛИРУЕМЫЙ КЛЮЧ КРЮК





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	6	
67983	290	50-120	2-4.3/4	4,5	4,0	12	450		
67984	310	115-170	4.1/2-6.3/4	5,0	4,5	13	580		

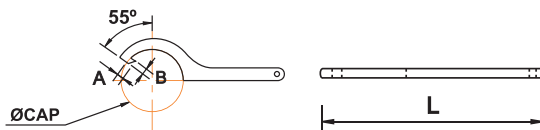

LLAVE DE GANCHO CON PIN ARTICULADA / ADJUSTABLE HOOK SPANNER WITH PIN / CLÉ À ERGOT ARTICULÉE AVEC CROCHET / VERSTELLBARE HAKENSCHLÜSSEL MIT PIN / CHIAVE A SETTORE ARTICOLATA CON PIN / CHAVES DE UNHA ARTICULADA COM PIN / КЛЮЧ-КРЮК С ШАРНИРОМ





COD.	L (mm)	CAP. Ø (mm)	CAP. Ø (inch)	A (mm)	B (mm)	C (mm)	g		
58120	170	15-35	19/32-1.3/8	3	3	5,5	100		
58121	200	35-50	1.3/8-2	4,3	4	7	180	10	
58122	280	50-80	2-3.3/4	5		8	380		
58123	345	80-120	3.3/4-4.11/16	6	6,2	8,5	660		
58124	490	120-150	4.11/16-5.7/8	7,4	7,8	11	1440	5	



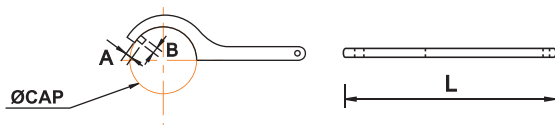





COD.	L (mm)	CAP. Ø (mm)	A (mm)	B (mm)	C (mm)			
54966	150	18-40	5	4	8	0,1		
54967	220	40-80	7	5	10	0,3	6	•
54968	300	80-125	8	6	12	0,6		
54969	410	125-200	10	8	14	1,6		


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)			
68283	110	12-14	1/2-9/16	1,8	1,8	16		
68284		16-20	5/8-25/32	2,3	2	20		
68285	120	25-28	1-1.1/8	2,5	2,3	40		
68286		30-32	1.3/16- 1.1/4		2,5	60		
68287	150	34-36	1.5/16-1.13/32	3	3	90		
68288		40-42	1.9/16- 1.21/32			100		
68289	180	45-50	1.3/4-2	3	3,5	150		
68290		52-55	2.1/16-2.3/16			160		
68291	210	58-62	2.9/32-2.7/16	3,5	4	210		
68292		68-75	2.11/16-3			250		
68293	240	80-90	3.1/8-3.1/2	4	5	370	6	•
68295		95-100	3.3/4-4			410		
68296	280	110-115	4.5/16-4.9/16	6	6	700		
68297		120-130	4.11/16-5.1/8			750		
68298	320	135-145	5.5/16-5.3/4	6	6	1050		
68299		150-165	5.7/8-6.1/2			1150		
57640	380	180-195	7.1/8-7.5/8	14	8	1800		
57641		205-220	8.1/8-8.5/8			1900		
57642	460	230-245	9.1/8- 9.5/8	16	8	3530		
57643		260-270	10.1/4-10.5/8			3600		
57644	550	280-300	11.1/8-11.3/4		10	5430		

DIN 1810

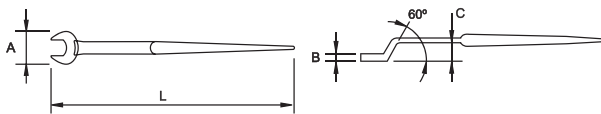

LLAVE DE GANCHO CON PIN / HOOK SPANNER WITH PIN / CLÉ À ERGOT AVEC CROCHET / HAKENSCHLÜSSEL MIT PIN / CHIAVE A SETTORE CON PIN / CHAVES DE UNHA COM PIN / КЛЮЧ-КРЮК






COD.	L (mm)	CAP. Ø (mm)	CAP. Ø (inch)	A (mm)	B (mm)			
58100	110	16-18	5/8-11/16	2,2	2,5	25	20	
58101		20-22	25/32-7/8					
58102	135	25-28	1-1.1/8	3	3	50		
58103		30-32	1.3/16-1.1/4					
58104	170	34-36	1.5/16-1.13/32	3,5	4	80	10	
58105		40-42	1.9/16-1.21/32					
58106	205	45-50	1.3/4-2	4	5	180		•
58107		52-55	2.1/16-2.3/16					
58108	240	58-62	2.9/32-2.7/16	5	6	280	25	
58109		68-75	2.11/16-3					
58110	280	80-90	3.1/8-3.1/2	6	8	435	15	
58111		95-100	3.3/4-4					
58112	335	110-115	4.5/16-4.9/16	8	8	800	10	

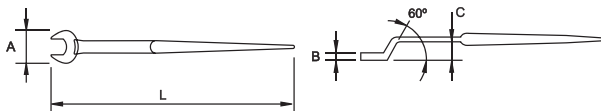






COD.	L (mm)	CAP. Ø (mm)	CAP. Ø (inch)	A (mm)	B (mm)			
58113	335	120-130	4.11/16-5.1/8			800	10	
58114	385	135-145	5.5/16-5.3/4	8	8	1250	5	●
58115		155-165	5.15/16-6.1/2					
58116	465	180-195	7-7.11/16		10	2100		
58117		205-220	8-8.11/16					

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

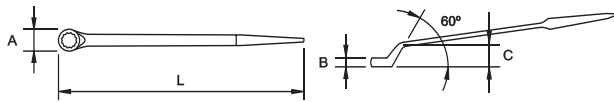
MM


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

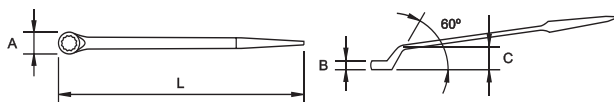

INCH


COD.		L (mm)	A (mm)	B (mm)	C (mm)			
64924	3/4		40	9	24	300		
64925	7/8	350	46			410		
64926	15/16							●
64927	1	370	49	11	28	450		
64928	1.1/16							
64929	1.1/8							
64930	1.3/16	400		13	32	750		
64931	1.1/4		65					
64932	1.5/16							
64933	1.3/8	430		14	36	900		
64934	1.7/16							
64935	1.1/2						1	
64936	1.9/16	470	80	15	41	1200		
64937	1.5/8							
64938	1.11/16							
64939	1.3/4							
64940	1.13/16	500	90	16	46	1500		
64941	1.7/8							
64942	1.15/16							
64943	2	550	100	17	48	1800		
64944	2.1/16							
64945	2.1/8							
64946	2.3/16		110	18	50	2000		



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


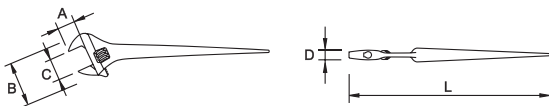
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
64947	14	270	24	10	23			
64948	17	310	28	11	27	0,2		
64949	19	330	32	12				
64950	22	350	35		31			
64951	24	370	38	13	34	0,3		
64952	27	400	42	14	37	0,4		
64953	30							
64954	32	430	50	16	43	0,6		
64955	36	460	55	19	48	0,9		
64956	41	490	65	20	55	1,1		
64957	46	500	70	22		1,5		
64958	50		75		60	1,8	1	
64959	55	550	85	26		2,1		
64960	60	600	90	28	65	2,5		
64961	65			30		2,7		
64962	70	650	110		70			
64963	75			34		3,5		
64964	80		115	36		4,0		
64965	85	700	125	37				
64966	90		135	39	75			
64967	95		140	41		5,0		
64968	100		145	42	80	6,0		
64969	110	750	160	43		7,0		


INCH


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
64970	3/4	330	32	12	31	0,2		
64971	7/8	350	35			0,3		
64972	15/16	370	38	13	34			
64973	1							
64974	1.1/16	400	42	14	37	0,4		
64975	1.1/8							
64976	1.3/16	430	50	16	43	0,6		
64977	1.1/4							
64978	1.5/16							
64979	1.3/8						1	
64980	1.7/16	460	55	19	48	0,9		
64981	1.1/2							
64982	1.9/16							
64983	1.5/8	490	65	20	50	1,0		
64984	1.11/16							
64985	1.3/4							
64986	1.13/16	500	70	22		1,5		
64987	1.7/8				60			
64988	1.15/16							
64989	2	550	80	26		1,8		



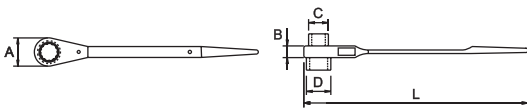
COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	Kg		
64990	2.1/16							
64991	2.1/8	550	85	26	60	2,1		
64992	2.3/16							
64993	2.1/4							
64994	2.5/16	600	90	28	65	2,5	1	-
64995	2.3/8							
64996	2.7/16							
64997	2.1/2							
64998	2.9/16	650	105	30	70	2,7		
64999	2.5/8							

LLAVE AJUSTABLE PARA ESTRUCTURA / ADJUSTABLE STRUCTURAL WRENCH / CLÉ À MOLETTE POUR STRUCTURE MÉTALLIQUE / VERSTELBARE ROLLABELSCHLÜSSEL 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)	g		
61137	16	400	35	85	42	17	1100	1	●


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

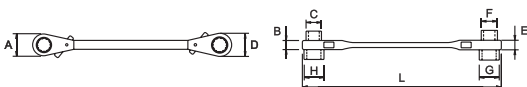
MM



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
65916	10-13		28	15	15	18	170		
57545	12-14	240	32	16	17	20	240		
65908	13-17	280	41	17	19	24	310		
65076	17-19		43		24	27			
65917	19-21	320		19	26	28	480		
65077	19-22		50		29				
65078	19-24			20	28	33	650	6	●
57546	22-24	370			31	34	750		
57547	24-27		52		34	37			
65079	24-30			21	32	41	950		
65080	27-32	420	60		37	43			
57548	30-32			22	40	44	1000		
57549	32-36	450	79	26	46	51	2000		
65081	36-41			27	49	57			

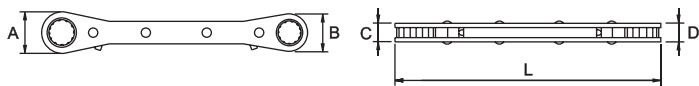

LLAVE DE CARRACA DOBLE VASO / DOUBLE SOCKET RATCHET WRENCH / CLÉ À CLIQUET DOUBLE DOUILLE / DOPPEL RATCHENSCHLÜSSEL / CHIAVI DOPPIE A CRICCHETTO / CHAVE DE ROQUETE DUPLA CHAVE DE SAIXA / КЛЮЧ ДВОЙНАЯ ГОЛОВКА С ТРЕЩЕТКОЙ

MM

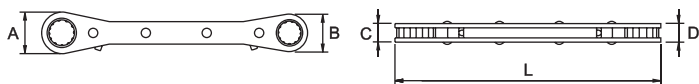


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	g		
65104	14-17 x 19-21	270	38	17	21	42	19	27	28	24	600	2	
65105	17-19 x 22-24	330	41	19	24	50	20	30	33	27	700	1	●
65106	19-21 x 24-27		42	20	27		21	33	37	29	750		



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


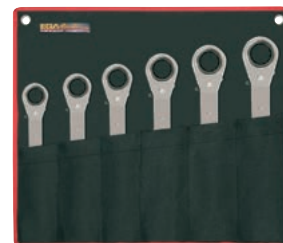
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
65107	8-10	150	18	17	9,0	9,0	90		6
65108	10-11	170	22	19			120		
65109	12-13	180	26	21	9,5	9,5	140		
65110	14-15			30	10		200		
65111	14-17	210	33	33			210		10
65112	19-21	230	40	37	11	10	260		


INCH


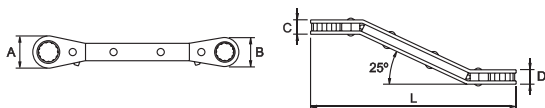
COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
65113	1/4-5/16	150	18	18	8,5	8,5	60		6
65114	3/8-7/16	175	24	20	9,0		85		
65115	1/2-9/16	180	29	24	10	9,5	140		
65116	5/8-11/16		36	33		10	200		10
65117	3/4-7/8	210	40	37	11	12	260		


SET
MM

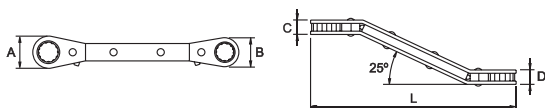
COD.	PCS.		COD.	(mm)
68610	6	90056	65107, 65108, 65109, 65110, 65111, 65112	8-10, 10-11, 12-13, 14-15, 14-17, 19-21


INCH

COD.	PCS.		COD.	(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-COUDÉE À CLIQUET / DOPPELKNARRE ABGEWINKELT / CHIAVE A CRICCO A CONTROGOMITO / CHAVE LUNETA INCLINADA COM ROQUETE / ДВОЙНАЯ ТРЕЩЕТКА ЗВЕЗДОЧКА ИЗОГНУТАЯ
MM


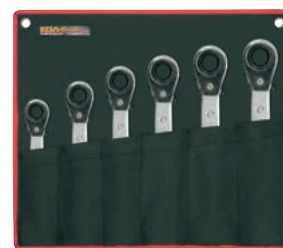
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
65118	8-10	150	20	18	9,5	9,0	85	6	
65119	10-11	175	25	21		9,5	120		
65120	12-13	180	29	24	10	10	140		●
65121	14-15	210	36	33			200		
65122	14-17	210	40	37	11	10	210	8	
65123	19-21		41				260		


INCH


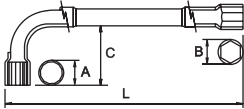
COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g		
65124	1/4-5/16	150	20	17	9,5	8,5	60	6	
65125	3/8-7/16	175	23	20		9,5	85		
65126	1/2-9/16	180	30	27	10	9,5	140		●
65127	5/8-11/16	210	36	33			200		
65128	3/4-7/8	210	40	37	10	10	260	8	


SET
MM

COD.	PCS.		COD.	(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.	(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


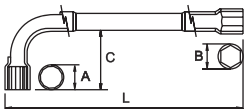
COD.	AF mm	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
61870	6	-	110	11	11	18	50		
61871	7	-	115	12	12	21			
61872	8	5/16 *	120	13	13	22	60		
61873	9	-	125	14	14	22	70		
61874	10	25/64 *	130	16	16	26	100		
61875	11	7/16 *	135	17	17	26	140		
61876	12	5/32 *	145	18	18	27	160		
61877	13	-	150	19	19	30	170		
61878	14	35/64 *	160	21	21	33			
61879	15	-	175	22	22	35	230		
61880	16	-	185	24	24	39			
61881	17	-	200	25	25	39	290		
61882	18	-	210	26	26	41	340		
61883	19	3/4 *	220	28	28	44	400		
61884	20	25/32 *	220	30	30	45	470	6	A
61885	21	-	230	30	30	48	500		
61886	22	-	245	32	32	48	600		
61887	23	29/32 *	255	33	33	55	700		
61888	24	-	265	34	34	55	800		
61889	25	-	280	36	36		1000		
61890	26	-	290	37	37				
61891	27	1.1/16 *	300	38	38	60	1200		
61892	28	-	310	39	39		1300		
61893	29	1.9/64 *	320	41	41				
61894	30	1.3/16 *	330	42	42		1500		
61895	32	-	360	45	45	65	1800		
61768	34	-	375	48	48		2000		
61772	36	-	395	50	50		2200		
61770	38	-	400	50	50	70			



Medidas aproximadas / Approximate measurements / Mesures approximatives | DIN 475

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

12 x 6

INCH


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
58143	3/8	130	15	15	24	90		
58144	1/2	150	19	19	30	170		
58145	5/8	180	24	24	37	270		
58146	11/16	200	26	26	40	320	6	A
58148	7/8	245	34	34	50	650		
58147	15/16	255	28	34	55	660		



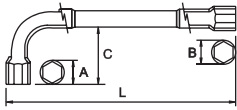
Medidas aproximadas / Approximate measurements / Mesures approximatives | DIN 475

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

6 x 6

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

■ MM



COD.	AF mm	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g	6
61166	5,5	7/32	110	11	11	18	50	
61170	6	-	115	12	12	21	60	
61171	7	-	120	13	13	22	70	
61172	8	5/16	125	14	14	26	100	
61173	9	-	130	16	16	27	140	
61174	10	25/64	135	17	17	28	160	
61175	11	7/16	145	18	18	30	170	
61176	12	15/32	150	19	19	33	230	
61177	13	-	175	22	22	35	290	
61178	14	35/64	185	24	24	39	290	
61179	15	-	200	25	25	41	340	
61180	16	-	210	26	26	44	400	
61181	17	-	220	28	28	45	470	6
61182	18	-	230	30	30	48	500	
61183	19	3/4	240	32	32	55	800	
61184	20	25/32	250	33	33	60	1000	
61185	21	-	260	34	34	65	1200	
61186	22	-	280	36	36	70	1300	
61187	23	29/32	290	37	37	70	1500	
61188	24	-	300	38	38	70	1800	
61189	25	-	310	39	39	70	2000	
61190	26	-	320	41	41	70	2200	
61191	27	1.1/16	330	42	42	70		
61192	28	-	360	45	45	70		
61193	29	1.9/64	370	48	48	70		
61194	30	1.3/16	390	50	50	70		
61195	32	-	400	50	50	70		
61769	34	-						
61773	36	-						
61771	38	-						


TITACROM® | Medidas aproximadas / Approximate measurements / Mesures approximatives | DIN 475

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

6 x 6


■ KIT-8 PCS.

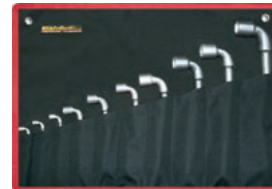
■ MM


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

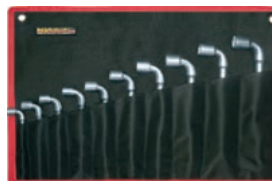



KIT-10 PCS.
MM

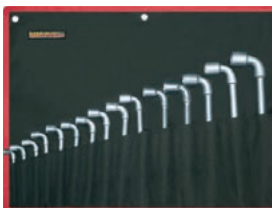
COD.	PCS.		COD.	(mm)
69351	A	10 90058	61872, 61873, 61874, 61875, 61876, 61877, 61878, 61881, 61883, 61885	12 x 6
69353	C		61172, 61173, 61174, 61175, 61176, 61177, 61178, 61181, 61183, 61185	6 x 6



MM

COD.	PCS.		COD.	(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


KIT-15 PCS.
MM

COD.	PCS.		COD.	(mm)
68601	A	15 90061	61872, 61874, 61875, 61876, 61877, 61878, 61879, 61880, 61881, 61882, 61883, 61885, 61886, 61887, 61888	12 x 6
68602	C		61172, 61174, 61175, 61176, 61177, 61178, 61179, 61180, 61181, 61182, 61183, 61185, 61186, 61187, 61188	6 x 6


KIT-22 PCS.
MM

COD.	PCS.		COD.	(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	12 x 6
68604	C		61172, 61173, 61174, 61175, 61176, 61177, 61178, 61179, 61180, 61181, 61182, 61183, 61185, 61186, 61187, 61188, 61190, 61191, 61192, 61193, 61194, 61195	6 x 6


EXPOSITORES / DISPLAYS / PRESENTOIRS / DISPLAY / ESPOSITORI / DISPLAY STAND / СТЕНДЫ
54 PCS.
MM

COD.	PCS.	COD.	(mm)
55570	A		12 x 6
	PCS.	COD.	
	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

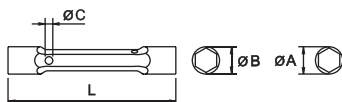


MM

COD.	PCS.	6 x 6
55571	C	54
PCS.	COD.	
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

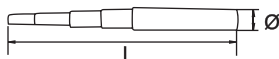
MM



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


TITACROM® | DIN 896-A
PASADOR ESCALONADO / STEP TOMMY BAR / BROCHE POUR CLÉ À TUBE / STUFEN-DREHSTIFT FÜR DOPPEL-STECKSCHLÜSSEL / PUNZONE SFALSAIO / PASSADOR ESCALONADO / ВОРОТОК СТУПЕНЧАТЫЙ


MM

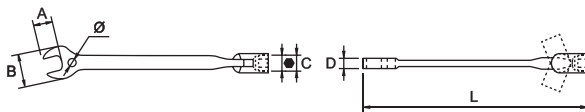







COD.	L (mm)	Ø.D. mm	g
61794	180	2,5-4,5-5,5-6	30
61795	280	6,5-7,5-9,5-11,5-12,5-13	200

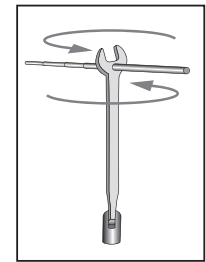




SET
MM

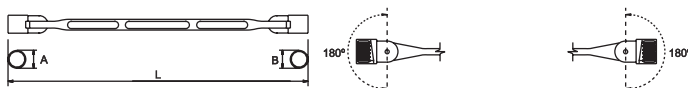
COD.	PCS.		COD.	(mm)
69489	6	90052	61824, 61825, 61826, 61827, 61828, 61829	6-7, 8-9, 10-11, 12-13, 14-15, 16-17
69272	8	90057	61824, 61825, 61826, 61827, 61828, 61829, 61830, 61831	6-7, 8-9, 10-11, 12-13, 14-15, 16-17, 18-19, 20-22






LLAVE COMBINADA CON VASO ARTICULADO / FLEXIBLE SOCKET COMBINATION SPANNER / CLÉ MIXTE À DOUILLE ARTICULÉE / MAUL GELENK STECKSCHLÜSSEL / CHIAVI COMBINATE CON BUSSOLA ARTICOLATA / CHAVE COMBINADA COM CAIXA ARTICULADA / КОМБИНИРОВАННЫЙ КЛЮЧ
MM


COD.		L (mm)	A (mm)	B (mm)	C (mm)	D (mm)				
56190	10	180	12	25	15	5,5		95		
56191	11	190	14	27	17	6		115		
56192	12				18			145		
56193	13	215	15	31	19	6,5	6	150	10	•
56194	14		16		20			185		
56195	15	220	17	32		8		230		
56196	17	235	19	38	24		7	320		
56197	19	250	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)		
61794	180	2,5-4,5-5,5-6	30
61795	280	6,5-7,5-9,5-11,5-12,5-13	200

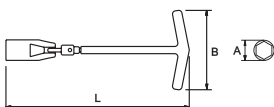

DE VASO DOBLE ARTICULACIÓN / DOUBLE ENDED SWIVEL / CLÉ À TUBE ARTICULÉE / DOPPEL-GELENKSTECKSCHLÜSSEL / CHIAVE A BUSSOLA DOPPA SNODABILE / DE CAIXA ARTICULADAS / КЛЮЧ ДВОЙНАЯ ГОЛОВКА ШАРНИРНАЯ
MM


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



■ KIT-6
■ MM

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

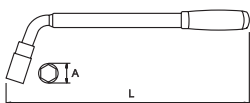

DE BUJÍA ARTICULADA / SPARK PLUG WRENCH / CLÉS À BOUGIE ART. / ZÜNDKERZENSCHLÜSSEL / CHIAVI PER CANDELE SNODABILE / CHAVE ARTICULADA PARA VELAS / СВЕЧНОЙ КЛЮЧ


COD.	AF inch	L (mm)	A (mm)	B (mm)	g		
61471	20-13/16	230	28	100	250	8	●

DIN 3112

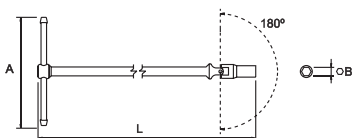

EXTENSIBLE PARA RUEDAS / EXTENSIBLE WHEEL WRENCH / CLÉS À ROUES EXTENSIBLE / AUSZIEHBARER RADMUTTERNSCHLÜSSEL / CHIAVE ESTENSIBILE PER RUOTE / EXTENSÍVEL PARA RODAS / РАЗДВИЖНОЙ БАЛОННЫЙ КЛЮЧ

■ MM



COD.	AF mm	L (mm)	A (mm)	g	
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 / T-ОБРАЗНЫЙ КЛЮЧ С ШАРНИРНОЙ ГОЛОВКОЙ


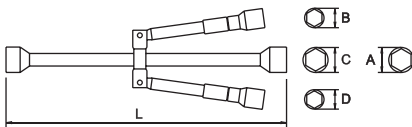
COD.	AF mm	AF inch	L (mm)	A (mm)	B (mm)	g		
61840	6	-	390	165	10	220		
61841	7	-			11			
61842	8	5/16 *			12			
61843	9	11/32 *			14			
61844	10	-			15			
61845	11	-	450	180	17	420		
61846	12	15/32 *			18			
61847	13	1/2 *			19			
61848	14	-			20			
61849	15	19/32 *			22			
61850	16	5/8 *	500	230	23	480	10	
61851	17	21/32 *			24			
61852	18	-			25			
61853	19	3/4 *			27			
61854	20	25/32 *			28			
61855	21	13/16 *	29	850		●		
61856	22	-	31					



COD.	AF mm	AF inch	L (mm)	A (mm)	B (mm)	g		
61858	24	15/16 *	500	230	33	850	10	●

Medidas aproximadas / Approximate measurements / Mesures approximatives

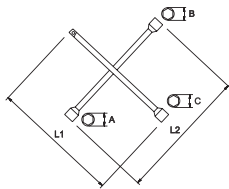
EN CRUZ PLEGABLE / FOLDING CROSS RIM WRENCH / CLÉ EN CROIX PLIABLE / KREUZSCHLÜSSEL, KLAPPBAR / CHIAVE A CROCE PIEGABILE / CHAVE EM CRUZ DOBRAVEL / СКЛАДНОЙ БАЛОННЫЙ КЛЮЧ



COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	g	
61477	17-19-21-23	355	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

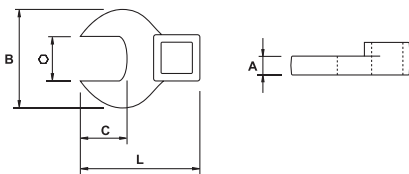
DIN 3119



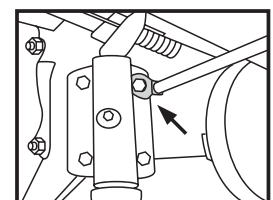
LLAVE FIJA CROW FOOT / OPEN END CROW FOOT WRENCH / CLÉ À FOURCHE CROW FOOT / EINSTECK-MAULSCHLÜSSEL / CHIAVE FISSA CROW FOOT / PONTEIRA DE BOCA COM QUADRADO INTERIOR / РОЖКОВЫЙ КЛЮЧ С КВАДРАТОМ

1/4"

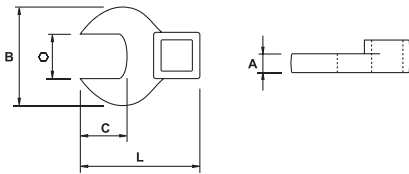
MM



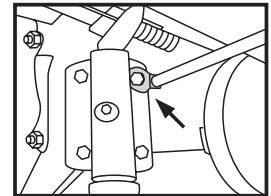
COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
57211	7	30	6	25	6	70	10	●
57212	8	31		26	7			
57213	9	33		28	8			
57214	10	35	7	30	9	90		
57215	11	36		31	11			
57216	12	38		34	12			
57217	13	39		35	13	95		



INCH

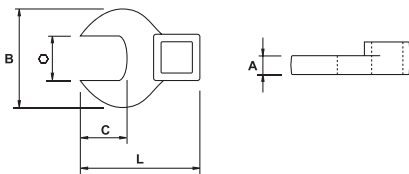


COD.	AP inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
57218	5/16	31		26	7	70		
57219	3/8	33	6	28	8			
57220	7/16	35		30	9	75	10	•
57221	1/2	38	7	34	12	92		
57222	9/16	39		36	14	100		

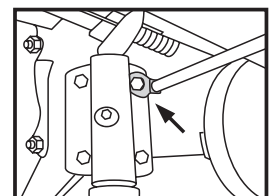


3/8"

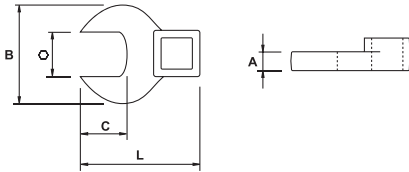
MM



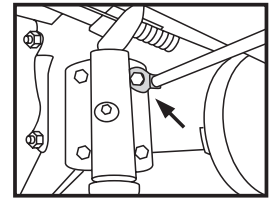
COD.	AP mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
55710	10	36	6	24	10	28		
55711	11	39	6,5	26	13	35		
55712	12	39	6,5	27	13	35		
55713	13	40	7,2	28	14	40		
55714	14	42	8,3	30	15	41		
55715	15	46	8,4	34	16	50		
55716	16	46	8,4	34	17	50		
55717	17	48	8,8	36	18	56	10	•
55718	19	50	9	40	21	62		
55719	21	55	9,5	46	22,5	80		
55720	22	55	9,5	46	23,5	100		
55721	24				25,5	140		
55722	25	65	10	54	26,5			
55723	27				28,5	200		



INCH

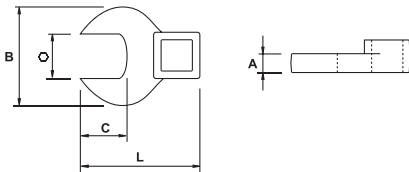


COD.	AP inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
55724	3/8	36	6	24	10	28		
55725	7/16	39	6,5	26				
55726	1/2	40	7,2	28	14	40		
55727	9/16	42	8,3	30				
55728	5/8	46	8,4	34	17	50		
55729	11/16	48	8,8	36	18	56		
55730	3/4	50	9	40	21	62	10	●
55731	13/16	55	9,5	46	21,5	80		
55732	7/8				22,5	100		
55733	15/16				25,5	140		
55734	1	65	10	54	26,5			
55735	1.1/16				28,5	200		

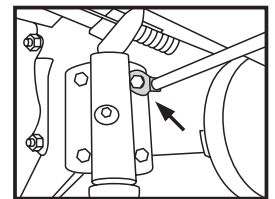


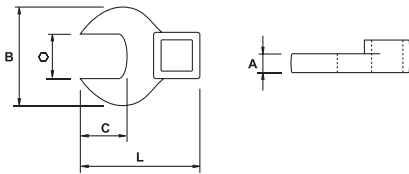
1/2"

MM

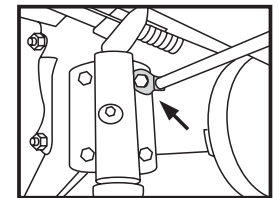
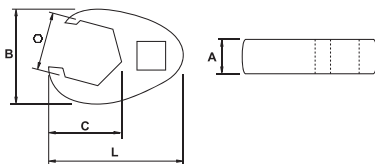


COD.	AP mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
57224	20			42	19	150		
57225	21	50						
57226	22			43	20			
57227	23	55		45	21			
57228	24			46	22	160		
57229	25		12	47	23			
57230	26	60		49	24	185		
57231	27			50	25	190		
57232	28	65		55	26	200		
57233	29				27			
57234	30				28	210		
57235	31	70		60	29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

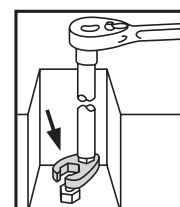


INCH


COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
57251	15/16	55	12	45	21	160	10	●
57252	1	60		47	23	190		
57253	1.1/16	65		50	25	200		
57254	1.1/8	70		60	28	210		
57255	1.3/16	75		65	30	230		
57256	1.1/4	80		70	31	250		
57257	1.5/16	85		75	33	260		
57258	1.3/8	90	80	34	270			
57259	1.7/16	95	85	36	280			
57260	1.1/2	100	90	37	290			
57261	1.9/16	105	95	39	320			
57262	1.5/8	110	100	41	330			
57263	1.11/16	110	105	42	340			
57264	1.3/4	110	105	44	380			
57265	1.13/16	110	110	45	400			
57266	1.7/8	110	110	46	430			
57267	1.15/16	110	110	49	460			
57268	2	110	110	48	480			
57269	2.1/16	110	110	50	500			
57270	2.1/8	110	110	60	600			
57271	2.3/16	110	110	55	700			
57272	2.1/4	110	110	60	750			
57273	2.5/16	110	110	85	850			
57274	2.3/8	110	110					
57275	2.7/16	110	110					
57276	2.1/2	110	110					

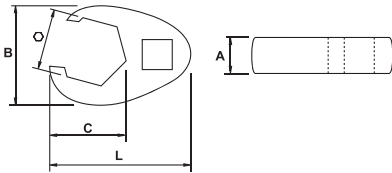

LLAVE HEXAGONAL CROW FOOT / HEXAGONAL CROW FOOT WRENCH / CLÉ MÂLE CROW FOOT / SECHSKANT-EINSTECK-MAULSCHLÜSSEL / CHIAVE ESAGONALE CROW FOOT / PONTEIRA HEXAGONAL COM QUADRADO INTERIOR / РОЖКОВЫЙ ШЕСТИГРАННЫЙ КЛЮЧ С КВАДРАТОМ
3/8"
MM


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
55736	10	38	7,8	31	16	28	10	●
55737	11		8		18	35		
55738	12		8		18	35		
55739	13	41	9	33	21	50		
55740	14				24	56		
55741	15				25	62		
55742	16	50	10,5	36	28,5	80		
55743	17				25	62		
55744	19				28,5	80		
55745	21	55	11	40	100	140		
55746	22				100			
55747	24				140			

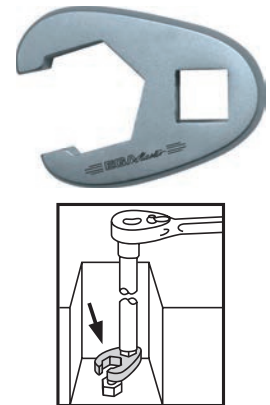


COD.	AF mm	L (mm)	A (mm)	B (mm)	C (mm)	g		
55748	25	55	11,5	45	34	140	10	●
55749	27					200		

INCH



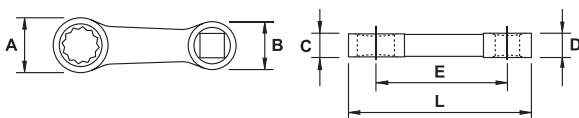
COD.	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	g		
55750	3/8	38	7,8	31	16	28	10	●
55751	7/16		8		18			
55752	1/2	8	40					
55753	9/16	41	9	33	21	41		
55754	5/8	41	9	33	21	50		
55755	11/16	46	10,5	36	24	56		
55756	3/4	46	10,5	36	25	62		
55757	13/16	50	11	40	28,5	80		
55758	7/8	50	11	40	28,5	100		
55759	15/16	55	11,5	45	34	140		
55760	1	55	11,5	45	34	200		
55761	1.1/16	55	11,5	45	34	200		



ADAPTADOR DE PAR / TORQUE ADAPTER / АДАПТАТОР ДЕ КУПЛЕ / DREHMOMENT ADAPTOR / ADATTATORE DI COPPIA / ADAPTADOR DE PAR / АДАПТЕР КРУТЯЩЕГО МОМЕНТА

3/8"

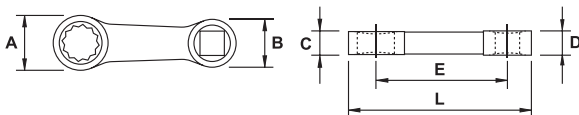
MM



COD.	AF mm	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
57315	8	3/8	73	20	19	9	12	52	51	10	●
57316	10			24		11,5		61			
57317	13			24		11,5		61			

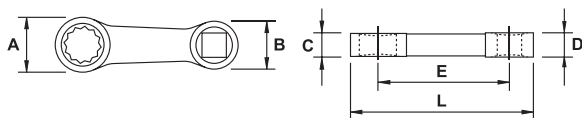


INCH



COD.	AF inch	AF inch	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
57318	5/16	3/8	73	20	19	9	12	52	51	10	●
57319	3/8			20		9		51			
57320	7/16			24		12		61			
57321	1/2			24		12		61			
57322	9/16			24		12		61			

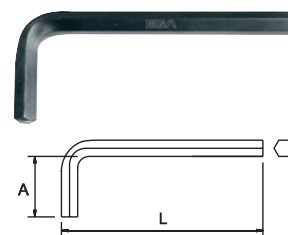


SPLINE


COD.	AF inch	AF inch	L (mm)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	g		
57323	7/32			M7								
57324	1/4			M8								
57325	9/32			M9	20		9			51		
57326	5/16			M10								
57327	3/8	3/8	73	M12		19		12	52		10	●
57328	7/16			M14								
57329	1/2			M16								
57330	9/16			M18	24		12			61		
57331	5/8			M20								


LLAVES HEXAGONALES / HEXAGONAL KEYS / CLÉS MÂLES / INBUSSCHLÜSSEL / CHIAVI ESAGONALI / CHAVES HEXAGONAIS / ШЕСТИГРАННИК
EGA
STANDARD
MM

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



COD.	AP mm	L (mm)	A (mm)	g		
67631	46		160	7000		
67632	48	410	165	7100		
67633	50		175	9550		
67634	55	450	185	11200	1	-
67635	60	470	195	14050		
67636	65	480	200	15300		
67637	70	500	210	16700		

ISO 2936 | DIN 911

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

INCH

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

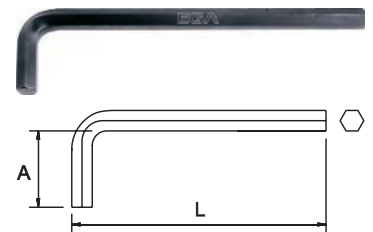
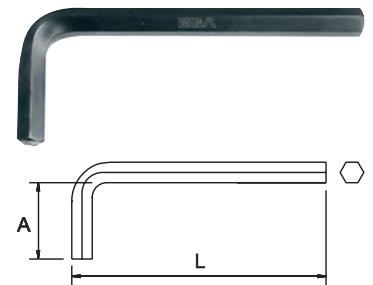
ISO 2936 | DIN 911

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

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

COD.	AP mm	L (mm)	A (mm)	g		
61517	1,5	65	15	1,0		
61518	2	75	18	2,0		
61519	2,5	85	20	4,0		
61520	3	95	23	7,0		
67298	3,5	100	25	10		
61521	4	105	29	15		
67299	4,5	115	30	19		
61522	5	120	33	25		
61523	5,5	130	38	35	10	
61524	6	140	41	40		
61557	7	150	44	60		
61525	8	160	47	80		
65330	9	170	50	115		
61526	10	180	55	140		
65331	11	190	60	200		
65332	12	200	65	260		
67300	13	210		300		



COD.	AP mm	L (mm)	A (mm)	g		
67301	14	230	70	400		
67302	15	240	75	460		
67303	16			500	10	•
67304	17	260	80	650		
67305	19	280	90	850		
67306	22	310	100	1300		
67307	24	360	115	1750	1	-

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CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

INCH

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

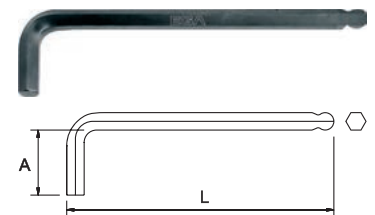
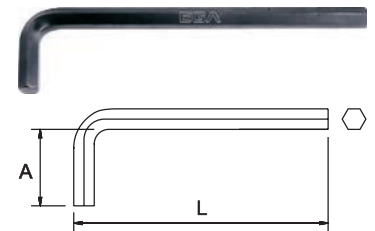
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CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

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.	AP mm	L (mm)	A (mm)	g		
61615	1,5	65	15	1,0		
61616	2	75	18	2,0		
61617	2,5	85	20	3,0		
61618	3	95	23	5,0		
61619	4	105	29	10		
61620	5	120		15		
61621	5,5	130	33	25	10	•
61622	6	140	38	30		
67493	7	150	40	60		
61623	8	160	44			
67494	9	170	45	110		
61624	10	180	50	140		
67495	12	200		250	1	







COD.		L (mm)	A (mm)			
67496	14	230	55	400		
67497	17	260	60	650	1	•
67498	19	280	67	850		

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CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Cr-V

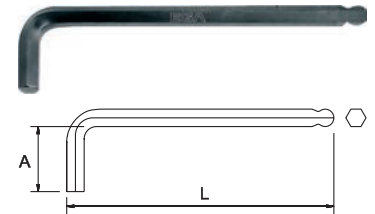
INCH





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

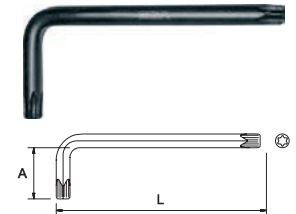
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CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

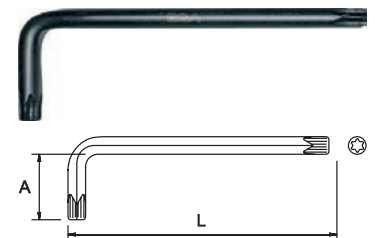
Cr-V


LLAVES TORX® / TORX® KEYS / CLÉS TORX® / TORX® INBUSSCHLÜSSEL / CHIAVI TORX® / CHAVES TORX® / КЛЮЧ TORX®
STANDARD





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

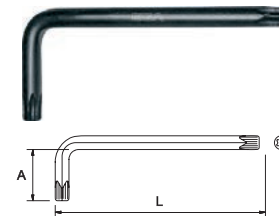

SERIE LARGA / LONG PATTERN / SÉRIE LONGUE / LANGE SERIE / SERIE LUNGA / SERIE LONGA / ДЛИННЫЙ





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

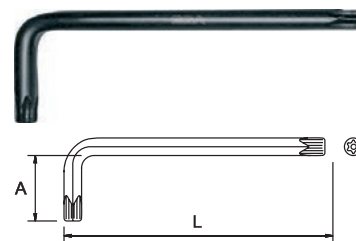






LLAVES TAMPER TORX / TAMPER TORX KEYS / CLÉS TAMPER TORX / TAMPER TORX INBUSSCHLÜSSEL / CHIAVI TAMPER TORX / CHAVES TAMPER TORX / КЛЮЧ TAMPER TORX

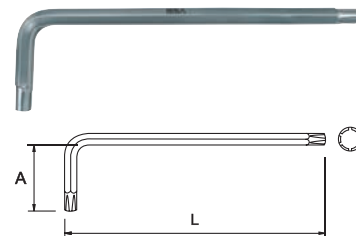
COD.		L (mm)	A (mm)			
56544	TT8	41	14	2,5		
56545	TT9					
56546	TT10	49	16	3,5		
56547	TT15	56	17	5		
56548	TT20	62	19	7,5		
56549	TT25	70	20	9,5	10	●
56550	TT27	75	24	15		
56551	TT30	85	29	20		
56552	TT40	95	34	32		
56553	TT45	110	39	44		
56554	TT50	125	41	65		





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

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


LLAVES RIBE® / RIBE® WRENCHES / CLÉS RIBES® / RIBE® SCHLÜSSEL / CHIAVE RIBE® / CHAVES RIBE® / КЛЮЧИ RIBE®

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


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

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



COD.	PCS.			
61499	8	105	12	●

Composición / Composition / Composition				
61501, 61502, 61503, 61504, 61505, 61506, 61507, 61508			1,5-2-2,5-3-4-5-5-6 mm	

COD.	PCS.			
61500	10	270	12	●

Composición / Composition / Composition				
61501, 61502, 61503, 61504, 61505, 61506, 61507, 61508, 61509, 61510			1,5-2-2,5-3-4-5-5,5-6-8-10 mm	

COD.	PCS.			
61516	10	270	12	●

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	●

Composición / Composition / Composition		Descripción / Description / Description		
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	●

Composición / Composition / Composition			Descripción / Description / Description	
61615, 61616, 61617, 61618, 61619, 61620, 61621, 61622, 61623, 61624			Serie larga / Long serie	1,5-2-2,5-3-4-5-5,5-6-8-10 mm

COD.	PCS.			
61495	10	360	12	●

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		Descripción / Description / Description	
65333, 65334, 65335, 65336, 65337, 65338, 65339, 65340, 65341		T10-T15-T20-T25-T27-T30-T40-T45-T50	

COD.	PCS.		
65665	9	300	6

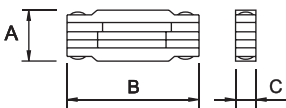
Composición / Composition / Composition		Descripción / Description / Description	
65342, 65343, 65344, 65345, 65346, 65347, 65348, 65349, 65350		Serie larga / Long serie	T10-T15-T20-T25-T27-T30-T40-T45-T50



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	



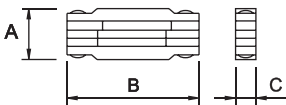
COD.	PCS.		
56566	9	300	6
Composición / Composition / Composition		Descripción / Description / Description	
56556, 56557, 56558, 56559, 56560, 56561, 56562, 56563, 56564		Serie larga / Long serie TT10-TT15-TT20-TT25-TT27-TT30-TT40-TT45-TT50	



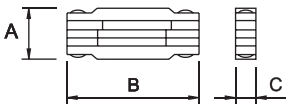
COD.	PCS.	A (mm)	B (mm)	C (mm)	Composición / Composition / Composition				
61511	8	39	120	32	2-2,5-3-4-5-6-8-10 mm	290	12	•	



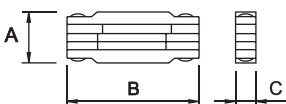
COD.	PCS.	A (mm)	B (mm)	C (mm)	Composición / Composition / Composition				
61479	7	39	120	32	1/16-5/64-3/32-1/8-5/32-3/16-1/4	330	12	•	



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	•	



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



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



COD.	PCS.	COD.	Composición / Composition / Composition				
65352	8	61501, 61502, 61503, 61504, 61505, 61506, 61508, 61509	1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 mm	140	12	•	
65353		65316, 65317, 65318, 65319, 65320, 65321, 65322, 65323	5/64 - 3/32 - 1/8 - 5/32 - 3/16 - 7/32 - 1/4 - 5/16	150			
65354		67804, 65333, 65334, 65335, 65336, 65337, 65338, 65339	T9-T10-T15-T20-T25-T27-T30-T40	140			
56568		56545, 56546, 56547, 56548, 56549, 56550, 56551, 56552	TT9-TT10-TT15-TT20-TT25-TT27-TT30-TT40	140			

