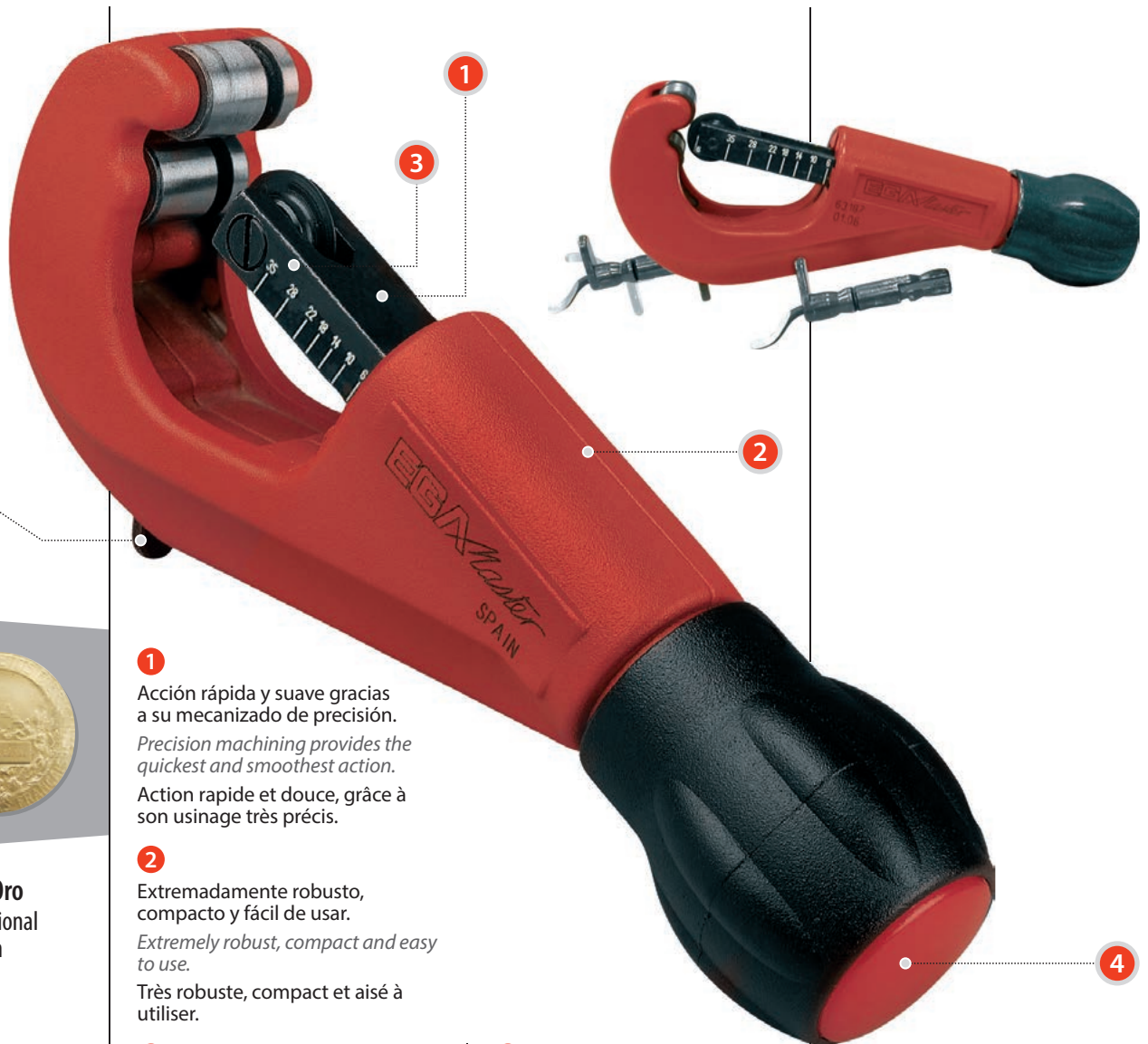


20

HERRAMIENTA PARA COBRE  
TOOLS FOR COPPER  
OUTILLAGE POUR LE CUIVRE  
WERKZEUGE FÜR KUPFER  
UTENSILI PER RAME  
FERRAMENTAS PARA COBRE  
ИНСТРУМЕНТ ДЛЯ МЕДИ





**Medalla de Oro**  
**Salón Internacional**  
**de la Invención**

París 2004

**Gold Medal**  
**International Inventors**  
**Competition**

Paris 2004

**Medaille d'Or**  
**Salon International**  
**de l'Invention**

Paris 2004

**1** Acción rápida y suave gracias a su mecanizado de precisión.  
*Precision machining provides the quickest and smoothest action.*  
 Action rapide et douce, grâce à son usinage très précis.

**2** Extremadamente robusto, compacto y fácil de usar.  
*Extremely robust, compact and easy to use.*  
 Très robuste, compact et aisé à utiliser.

**3** Escala graduada marcada en láser para facilitar el posicionamiento.  
*Laser marked graduated scale to facilitate working action.*  
 Echelle graduée, marquée au laser, pour faciliter le positionnement.

**4** Cuchilla de repuesto incluida en el pomo.  
*Extra cutting wheel at the knob.*  
 Molette de rechange, incluse dans le manche.

**5** Puede cortar tubos de cobre, acero inoxidable y plástico con las cuchillas correspondientes.  
*Able to cut copper, inox and plastic pipes with the proper cutting wheels.*  
 Il peut couper du cuivre, de l'Inox et du plastique avec les molettes correspondantes.

**6** Escariador extraíble puede trabajar montado en el cortatubos o de forma independiente.  
*Extractable reamer can work assembled in the tubing cutter or independently.*  
 L'alésoir extractif peut travailler assemblé au coupe-tubes ou de manière indépendante.


**7** Modelo registrado:  
*Registered model:*  
 Modèle enregistré:  
**MI.S.146.561**



■ CORTATUBOS / TUBE CUTTER / COUPE-TUBES / KUPFER ROHRABSCHNEIDER / TAGLIATUBI / CORTA TUBOS / ТРУБОРЕЗ

■ SERIE CU = COBRE / COPPER / CUIVRE

■ MINI







COD.							
<b>63097</b>	CU	3-22	135	20	●	63110	20

CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES

Reforzado / Reinforced / Renforcé









■ MINI 30

COD.							
<b>63168</b>	CU	3-30	210	10	●	63086	20

Modelo registrado / Registered model / Modèle enregistré









■ CLASSIC 32

COD.							
<b>63170</b>	CU	3-32	300	1	●	63110	20




■ TELESCOPIC 32

COD.							
<b>63105</b>	CU	6-32	290	1	●	63110	20



■ UNIQUE

COD.							
<b>63119</b>	CU	6-42	550	8	●	63111	10

● | Modelo registrado / Registered model / Modèle enregistré



■ AUTOMATIC 50

COD.							
<b>63363</b>	CU	6-50	450	1	●	63720	10



■ AUTOMATIC 67

COD.							
<b>63107</b>	CU	6-67	750	1	●	63111	10



■ AUTOMATIC 127

COD.							
<b>63174</b>	CU	50-127	1950	1	●	64106	10



■ KIT 3 PCS.

COD.	PCS.
<b>69465</b>	3

PCS./UN.	COD. PCS.
1	63097
	63170
	63119



■ ROLL CUT

COD.	O.D. mm	g				
<b>63210</b>	12	230				63243
<b>63211</b>	15	220				63244
<b>63212</b>	18	250	6	•		63245
<b>63213</b>	22	240				63246



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

■ SERIE CU = COBRE / COPPER / CUIVRE

■ 20 PCS.

COD.	PCS.
<b>55567</b>	20

PCS./UN.	COD. PCS.	O.D. mm
8	63170	
4	63105	Ø32 mm
8	63119	Ø42 mm



■ ESCARIADORES / REAMERS / ALESOIR / ENTGRATER / SBAVATORI / ESCARIADOR / ЗЕХКОВКА

COD.		g			← 47 mm →	← 26 mm →
<b>63371</b>	Cu, Acero, Plástico, Inox / Cu, Steel, Plastic, Inox / Cu, Acier, Plastique, Inox	90	20	•	64008	64447
<b>63375</b>	Latón, Fundición / Brass, Cast iron / Laiton, Fonte				64446	64448

COD.		g			← 47 mm →
<b>63370</b>	Cu, Acero, Plástico, Inox / Cu, Steel, Plastic, Inox / Cu, Acier, Plastique, Inox	50	20	•	64008
<b>63374</b>	Latón, Fundición / Brass, Cast iron / Laiton, Fonte				64446

COD.		g			← 47 mm →
<b>63368</b>	Cu, Acero, Plástico, Inox / Cu, Steel, Plastic, Inox / Cu, Acier, Plastique, Inox	10	20	•	64008
<b>63372</b>	Latón, Fundición / Brass, Cast iron / Laiton, Fonte				64446

COD.	Descripción / Description / Description	L (mm)	
<b>64008</b>	Cu, Acero, Plástico, Inox / Cu, Steel, Plastic, Inox / Cu, Acier, Plastique, Inox	47	6
<b>64446</b>	Latón, Fundición / Brass, Cast iron / Laiton, Fonte		



COD.	Descripción / Description / Description	L (mm)	
64447	Cu, Acero, Plástico, Inox / Cu, Steel, Plastic, Inox / Cu, Acier, Plastique, Inox	26	20
64448	Latón, Fundición / Brass, Cast iron / Laiton, Fonte		






COD.						
63958	Cu, Acero, Plástico, Inox, Latón, Aluminio / Cu, Steel, Plastic, Inox, Brass, Aluminum /	8-35	5/16-1.3/8	250	1	•
63959	Cu, Acier, Plastique, Inox, Laiton, Aluminium	10-54	1/2-2.1/8	500		



COD.					
63085	Cu, Latón, Aluminio / Cu, Brass, Aluminum / Cu, Laiton, Aluminium	235	40	10	•



■ **ESCARIADOR DE CHAFLANES / CHAMFERBIT / EBAVUREUR Á CHANFREINS / ABSCHRÄGER / SBAVATORE PER SMUSSARE / ESCARIADOR DE CHANFROS / ЗЕНКОВКА С РУКОЯТКОЙ**




COD.			Crestas / Crests / Crête		
63776	Cu, Acero, Plástico, Inox / Cu, Steel, Plastic, Inox / Cu, Acier, Plastique, Inox	12,4	3	100	6
63777		25		120	



**ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES**

Material / Material / Matière HSS (M2)

■ **FRESA CÓNICA / CONIC MILLING TOOL / FRAISE CONIQUE / SCHAFTFRÄSER KONISCH / FRESA CONICA / FRESA CÓNICA / КОНИЧЕСКАЯ ЗЕНКОВКА С РУКОЯТКОЙ**




COD.			Crestas / Crests / Crête		
63778	Cu, Acero, Plástico, Inox / Cu, Steel, Plastic, Inox / Cu, Acier, Plastique, Inox	10-34	6	150	6



**ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES**

Material / Material / Matière HSS

■ **ESCARIADOR CÓNICO / TAPER REAMER / EBAVUREUR CONIQUE / HANDREIBAHLEN / SBAVATORE CONICO / ESCARIADOR CÓNICO / ЛЕНТОЧНАЯ ЗЕНКОВКА**





COD.			Crestas / Crests / Crête		
63779	Cu, Acero, Plástico, Inox / Cu, Steel, Plastic, Inox / Cu, Acier, Plastique, Inox	3-12	6	100	6
63780		10-25	8	120	



**ESPECIFICACIONES TÉCNICAS / TECHNICAL SPECIFICATION / DÉTAILS TECHNIQUES**

Material / Material / Matière HSS

■ **RASQUETA / SCRAPER / RACLOIR / ENTGRATER / RASCHIETTO / ESPÁTULA / ШАБЕР**

COD.					
63376	Cu, Acero, Plástico, Inox / Cu, Steel, Plastic, Inox / Cu, Acier, Plastique, Inox	60	20	•	64449



COD.	Válido para / Valid for / Valable pour	L (mm)	
64449	Cu, Acero, Plástico, Inox / Cu, Steel, Plastic, Inox / Cu, Acier, Plastique, Inox	63376	120 20



■ **CEPILLOS PARA LIMPIEZA DE COBRE / COPPER CLEANING BRUSHES / BROSE DE NETTOYAGE POUR CUIVRE / KUPFER - REINIGUNGSBÜRSTE / SPAZZOLE PER RAME / ESCOVAS PARA LIMPIEZA DE COBRE / ЩЕТКИ ДЛЯ ЗАЧИСТКИ МЕДИ**

COD.	CAP. Ø (inch)			
63206	1/2-3/4	INT./EXT.	30	6



COD.	CAP. Ø (inch)				
<b>63207</b>	1/2	INT./ EXT.	10	6	●



COD.	CAP. Ø (inch)				
<b>63208</b>	1/2	INT.	5	6	●



**PARA TUBO DE COBRE RECOCIDO Y ALUMINIO / FOR SOFT COPPER & ALUMINIUM TUBING / POUR TUBE EN CUIVRE RECUIT ET ALUMINIUM / FÜR WEICHES KUPFER UND ALUMINIUM / PER TUBIRICOTTI E ALLUMINIO / PARA TUBO DE COBRE RECOZIDO E ALUMINIO / ДЛЯ МЯГКИХ МЕДНЫХ И АЛЮМИНИЕВЫХ ТРУБ**

**CURVATUBOS DE CARRACA / RATCHET TUBE BENDER / CINTREUSE ARBALÈTE / EINHAND-BIEGERÄT / CURVATUBI A CRICCO / CURVADORA DE ROQUETE / АРБАЛЕТНЫЙ ТРУБОГИБ**

**KITS**

COD.					Incluye / Includes / Inclus
<b>68165</b>	12 (68130) - 15 (68132) - 18 (68134) - 22 (68135)	-	-	-	-
<b>68166</b>	10 (68129), 12 (68130), 14 (68131), 18 (68134), 22 (68135)	-	-	-	-
<b>68167</b>	10 (68129), 12 (68130), 15 (68132), 18 (68134), 22 (68135)	-	-	-	-
<b>68168</b>	10 (68129), 12 (68130), 16 (68133), 18 (68134), 22 (68135)	-	-	-	-
<b>68169</b>	12 (68130), 15 (68132), 18 (68134), 22 (68135)	-	-	-	68118
<b>68170</b>	10 (68129), 12 (68130), 14 (68131), 18 (68134), 22 (68135)	-	-	-	-
<b>68171</b>	10 (68129), 12 (68130), 15 (68132), 18 (68134), 22 (68135)	-	63170	63085	-
<b>68172</b>	10 (68129), 12 (68130), 16 (68133), 18 (68134), 22 (68135)	-	-	-	-
<b>68173</b>	-	3/8 (68136), 1/2 (68137), 5/8 (68138), 3/4 (68139), 7/8 (68140)	-	-	-



COD.	
<b>68118</b>	1645



**MM**

COD.	
<b>68128</b>	8
<b>68129</b>	10
<b>68130</b>	12
<b>68131</b>	14
<b>68132</b>	15
<b>68133</b>	16
<b>68134</b>	18
<b>68135</b>	22



**INCH**

COD.	
<b>68136</b>	3/8
<b>68137</b>	1/2
<b>68138</b>	5/8
<b>68139</b>	3/4
<b>68140</b>	7/8



**KIT MULTICAPA / KIT MULTILAYER / KIT MULTICOUCHES / BIEGEGERÄT SET / KIT MULTISTRATO / KIT MULTICAPA / НАБОР ДЛЯ МЕТАЛЛОПЛАСТИКА**



COBRE RECOCIDO  
SOFT COPPER  
CUIVRE RECUIT



COBRE RECUBIERTO  
COVERED COPPER  
CUIVRE PLASTIFIÉ



MULTICAPA  
MULTILAYER  
MULTICOUCHES

COD.	O.D. (mm)			Incluye / Includes / Inclus
68162	16 (68133), 18 (68134), 20 (68139)	-	-	
68161		63170	63085	68118
68228		-	-	
68227	16 (68133), 18 (68134), 22 (68135)	63170	63085	



**MUELLES CURVATUBOS / SPRING TUBE BENDERS / RESSORT À CINTRER / KUPFERROHR-AUSSENBIEGEFEDERN / MOLLE CURVATUBI / MOLAS CURVA TUBOS / ПРЖИННЫЕ ТРУБОГИБЫ**

COD.	O.D. mm	O.D. inch	g		
68041	6	-	55		
68048	-	1/4	75		
68042	8	5/16	70		
68049	-	3/8	110		
68043	10	-	100		
68050	-	7/16	115		
68044	12	-	110	15	•
68051	-	1/2	155		
68045	14	-	145		
68046	15	-	180		
68047	16	5/8	195		
68054	18	-	200		
68056	-	3/4	200		
68055	22	-	230		



**TENAZA CURVATUBOS / TUBE BENDER / PINCE À CINTRER / ZWEIHANDBIEGER / PINZA CURVATUBI / CURVADORA PARA TUBOS / ТРУБОГИБЫ**

COD.	O.D. mm		R (mm)	Kg	
68144	10		26	0,3	
68145	12		30	0,6	
68146	14		34	0,9	
68147	15	0-180°	38	1,4	1
68148	16		40	1,7	
68149	18		45	2,1	



**CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES**

Aluminio / Aluminum / Aluminium

COD.	O.D. mm	O.D. inch		R (mm)	g		
68010	6	-		17	500		
68005	-	1/4		24	600		
68011	8	5/16		30	900		
68006	-	3/8		46	950	1	•
68012	10	-	0-180°	46	1600		
68013	12	-		17	1700		
68008	-	1/2		30	2200		
68014	14	-		46			
68015	15	-					
68016	16	5/8					



COD.	O.D. mm	O.D. inch	°	R (mm)	g		
68110	-	1/8-3/16-1/4	0-90°	10	140	1	•
68111	6-8-10	1/4-5/16-3/8	0-180°	20	450		



**TENAZA CURVATUBOS DE ACERO / STEEL TUBE BENDER / PINCE À CINTRER / ZWEIHANDBIEGER / PINZA CURVATUBI / CURVADORA PARA TUBOS / ТРУБОГИБ ДЛЯ СТАЛЬНЫХ ТРУБ**

COD.	Tipo/ Type/ Type	O.D. mm	°	R (mm)	Recocido R220 (mm) / Annealed R220 (mm) / Recuit R220 (mm)	Semirrígido R250a (mm) / Semi-hard R250a (mm) / Semi-rigide R250a (mm)	Rígido R290 (mm) / Hard R290 (mm) / Rigide R290 (mm)	Kg		
68210	Patin /	12		36	1	1		1,3		82860
68211	Slide /	15	0-120°	52			-	2,7	1	82861
68213	Patin	22		76	1,5	-		4,0		82863



**EN 1057**

COD.	Tipo/ Type/ Type	O.D. mm	°	R (mm)	Recocido R220 (mm) / Annealed R220 (mm) / Recuit R220 (mm)	Semirrígido R250a (mm) / Semi-hard R250a (mm) / Semi-rigide R250a (mm)	Rígido R290 (mm) / Hard R290 (mm) / Rigide R290 (mm)	Kg		
68215	Rodillo /	12		36	1	1		1,3		82865
68216	Roller /	15	0-120°	52			-	2,7	1	82866
68218	Rouleau	22		76	1,5	-		4,0		82868



**EN 1057**

**ABOCINADORES / FLARING TOOLS / APPAREIL À BATTRE LES COLLETS / BÖRDELGERÄT / FLANGIATUBI / ABOCARDADORES / РАЗВАЛЬЦОВКИ**

**KIT ABOCINADOR CONO EXCÉNTRICO CON CARRACA / ECCENTRIC CONE FLARING TOOL KIT WITH RATCHET / KIT DUDGEONNIERE EXCENTRIQUE À CLIQUET / EXZENTRISCH BÖRDELGERÄT SATZ MIT RATSCHÉ / KIT FLANGIATUBI A FRIZIONE CON CRICCHETTO / KIT ABOCARDADOR CONO EXCÉNTRICO CON ROQUETE / ВАЛЬЦОВКА ДЛЯ ТРУБ С ЭКСЦЕНТРИКОВЫМ ТРЕЩЕТОЧНЫМ МЕХАНИЗМОМ**

COD.	O.D. mm	O.D. inch	90°	Kg	
57610		1/4, 3/8, 1/2, 5/8, 3/4		1,3	
57611		1/4, 5/16, 3/8, 1/2, 5/8, 3/4		1,4	
57612		1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4		1,5	
57613	6, 8, 10, 12, 15			1,3	
57614	6, 8, 10, 12, 16, 18		•	1,4	1
57615	6, 8, 10, 12, 14, 15, 16, 18			1,5	
57616	6, 8, 10, 12, 15	1/4, 3/8, 1/2, 5/8, 3/4		1,9	
57617	6, 8, 10, 12, 16, 18	1/4, 5/16, 3/8, 1/2, 5/8, 3/4		2	
57618	6, 8, 10, 12, 14, 15, 16, 18	1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4		2,2	



**ABOCINADOR CONO EXCÉNTRICO CON CARRACA / ECCENTRIC CONE FLARING TOOL WITH RATCHET / DUDGEONNIERE EXCENTRIQUE À CLIQUET / TAUMEL-BÖRDELGERÄT MIT RATSCHÉ / FLANGIATUBI CON CRICCHETTO / ABOCARDADOR CONO EXCÉNTRICO CON ROQUETE / РАЗВАЛЬЦОВКА С ЭКСЦЕНТРИЧЕСКИМ КОНУСОМ С ТРЕЩЕТКОЙ**

COD.	90°	Kg	
57603	•	0,8	1



**CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES**

Aluminio / Aluminum / Aluminium

**REGLA PARA ABOCINAR / RATCHET FLARING TOOL / RÈGLE À DUDGEONNER / MATRIZE FÜR BÖRDELGERÄT / SLITTA PER FLANGIATUBI / RÉGUA PARA ABOCARDADOR / ВАЛЬЦОВКА ДЛЯ ТРУБ**

COD.	O.D. mm	O.D. inch	90°	g	
57604		1/4, 3/8, 1/2, 5/8, 3/4		530	
57605		1/4, 5/16, 3/8, 1/2, 5/8, 3/4		600	
57606		1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4		680	
57607	6, 8, 10, 12, 15		•	530	1
57608	6, 8, 10, 12, 16, 18			600	
57609	6, 8, 10, 12, 14, 15, 16, 18			680	





**KIT ABOCINADOR CONO EXCÉNTRICO / ECCENTRIC CONE FLARING TOOL KIT / KIT DUDGEONNIERE EXCENTRIQUE / EXZENTRISCH BORDELGERÄT SATZ MIT KEGEL / KIT FLANGIATUBI A FRIZIONE / KIT ABOCARDADOR CONO EXCÉNTRICO / КОМПЛЕКТ ВАЛЬЦОВОК С ЭКСЦЕНТРИКОВЫМ ТРЕЩЕТОЧНЫМ МЕХАНИЗМОМ**

COD.	O.D. mm	O.D. inch	90°	Kg	
68087	-	1/4-5/16-3/8-1/2-5/8-3/4		1,4	1
68086	6-8-10-12-14-15-16	-	●	2,0	1
68091	-	1/4-5/16-3/8-1/2-5/8-3/4			



**ABOCINADOR CONO EXCÉNTRICO / ECCENTRIC CONE FLARING TOOL / DUDGEONNIERE EXCENTRIQUE / TAUMEL-BÖRDELGERÄT / FLANGIATUBI CONO ECCENTRICO / ABOCARDADOR CONO EXCÉNTRICO / РАЗВАЛЬЦОВКА С ЭКСЦЕНТРИЧЕСКИМ КОНУСОМ**

COD.	90°	Kg	
68092	●	0,8	1



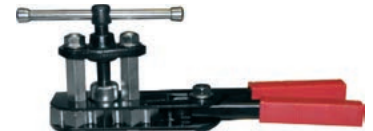
**REGLA PARA ABOCAR / RATCHET FLARING TOOL / RÈGLE À DUDGEONNER / MATRIZE FÜR BÖRDELGERÄT / SLITTA PER FLANGIATUBI / RÉGUA PARA ABOCARDADOR / ВАЛЬЦОВКА ДЛЯ ТРУБ**

COD.	O.D. mm	O.D. inch	90°	g	
68094	-	1/4, 5/16, 3/8, 1/2, 5/8, 3/4		560	1
68093	6-8-10-12-14-15-16	-	●	620	1



**ABOCINADOR DE TORRETA / COMPACT FLARING TOOL / DUDGEONNIERE COMPACTE / КОМПАКТ БÖRDELGERÄT, AUFKLAPPBAR / FLANGIATUBI A TORRETTA / ABOCARDADOR DE TORRETTA / КОМПАКТНАЯ РАЗВАЛЬЦОВКА**

COD.	O.D. mm	O.D. inch	90°	Kg	
68017	-	3/16-1/4-5/16-3/8-1/2-5/8		1	1
68018	6-8-10-12-14-15	-	●		



**ABOCINADOR / FLARING TOOL / APPAREIL À BATTRE LES COLLETS / BÖRDELGERÄT / FLANGIATUBI / ABOCARDADOR / РАЗВАЛЬЦОВКИ**

COD.	O.D. mm	O.D. inch	90°	g	
68001	-	3/16-1/4-5/16-3/8-7/16-1/2-5/8		950	1
68003	4-4,75-6-8-10-12-14	-	●		



■ **EXPANDIDORES / EXPANDING TOOLS / PINCES À EMBOITURE / EXPANDER / ESPANSORI / EXPANDIDORES / МУФТИРУЮЩИЕ ИНСТРУМЕНТЫ**

■ **EXPANKIT**

COD.	O.D. mm	O.D. inch			Include / Includes / Inclus	Kg	
68204	12-15-22-28						
68205	12-14-18-22						
68206	12-15-18-22					3,0	
68207		1/2-5/8-3/4-1	3-32 mm (63170)	Ø 40 mm (63085)			
68209		3/8-1/2-5/8-3/4-7/8			68175	3,1	1
68220		1/2-3/4-1				3,0	
68221	12-14-16-18-22					2,9	
68223	10-12-14-16-18					2,8	
68224	12-14-16-18					2,7	
68225	12-14-16-18-22					2,8	



COD.		Kg		
68175	1	1,3	1	●



COD.	O.D. mm	g		
68177	10	125		
68178	12	130		
68179	14	135		
68180	15			
68181	16	140		
68182	18	145	8	●
68184	22	150		
68186	28	270		
68188	35	400		
68189	42	430		








COD.	O.D. inch	g		
68190	3/8	125		
68191	1/2	130		
68192	5/8	135		
68193	3/4			
68194	7/8	140	8	●
68195	1	160		
68196	1.1/8	270		
68198	1.3/8	400		
68200	1.5/8	480		

■ **SWAGING KIT**

COD.					Kg	
68060	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8", 3/4"	3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	1/8-1.1/4" (63105)		2,8	1



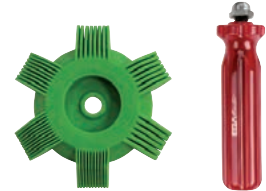
■ KIT FRIGORISTA / KIT REFRIGERATION / KIT FRIGORISTE / KIT KÜHLUNG / KIT FRIGORISTI / KIT FRIGORISTA / НАБОР ДЛЯ ХОЛОДИЛЬЩИКА

COD.					
68052	4 - 4,75 - 6 - 8 - 10 - 12 - 14 mm (68003)	10 (68043), 12 (68045)-14 (68047)-16 (68044) mm	3-32 mm (63170)	2,3	1
68053	3/16", 1/4", 5/16", 3/8", 1/2", 5/8" (68001)	5/16" (68042), 3/8" (68049), 5/8" (68047), 1/2" (68051)	1/8"-1.1/8" (63170)		



■ PEINE PARA ALETAS 6 EN 1 / 6 IN 1 FIN COMB / PEIGNES POUR LAMES 6 EN 1 / 6 IN 1 MESSKAM / PETTINI PER ALETTE 6 IN 1 / PENTES DE ALHETAS 6 EM 1 / 6 В 1 ГРЕБЕНЫ ДЛЯ ЛЬНА

COD.			
63751	8-9-10-12-14-15	70	1








■ PEINE PARA ALETAS METÁLICO / STAINLESS STEEL FIN COMB / PEIGNES POUR LAMES MÉTALLIQUES / MESSKAM ROSTFREI / PETTINI PER ALETTE IN METALLO / PENTES DE ALHETAS METÁLICOS / ГРЕБЕНЫ ДЛЯ ЛЬНА ИЗ НЕРЖАВЕЮЩЕЙ СТАЛИ

COD.		
63752	30	6



■ TENAZA GRIP PINZATUBOS / PINCH OFF GRIP PLIER / PINCE ÉTAU POUR TUBES / SCHNEIDGRIPZANGE / PINZA GRIP PER TUBI / ALICATES DE GRIFE DE SELAR PARA REFRIGERAÇÃO / КЛЕЩИ С ПЛАВНОЙ РЕГУЛИРОВКОЙ






COD.	L (inch)					
63753	7	8,0	5/16	0,3	6	●



■ LLAVE DE CHICHARRA / RATCHET WRENCH / PINCE À CLIQUET / RATSCHENSCHLÜSSEL / CHIAVE A CRICCO / CHAVES DE ROQUETE / ТРЕЩЕТКА

COD.				
63754	1/4, 3/8, 3/16, 5/16	95	12	●



COD.					
63755	1/4, 3/16	1/2, 9/16	160	12	●



■ ENSANCHADORES DE GOLPE / SWAGING PUNCHES / CHASSES GOUPILLES À EMBOITURE / KLEMM DURCHSCHLAG / CALIBRATORE PER TUBI / PUNÇÕES PARA ABOCARDAR / ПРОБОЙНИКИ

■ SET

COD.			
63756	1/4, 5/16, 3/8, 1/2, 5/8	550	6



**ENSANCHADOR DE GOLPE 3 EN 1 / 3 IN 1 SWAGING PUNCH / CHASSES GOUPILLES À EMBOITURE 3 EN 1 / 3 IN 1 KLEMM DURCHSCHLAG / CALIBRATORI PER TUBI 3 IN 1 / PUNÇÕES PARA AVOCARDAR 3 EM 1 / 3 В 1 ПРОБОЙНИКИ**

COD.	 O.D. inch	 g		
<b>63757</b>	1/2, 5/8, 7/8	550	6	●






**ENSANCHADOR DE GOLPE 5 EN 1 / 5 IN 1 SWAGING PUNCH / CHASSES GOUPILLES À EMBOITURE 5 EN 1 / 5 IN 1 KLEMM DURCHSCHLAG / CALIBRATORI PER TUBI 5 IN 1 / PUNÇÕES PARA AVOCARDAR 5 EM 1 / 5 В 1 ПРОБОЙНИКИ**

COD.	 O.D. inch	 g		
<b>63758</b>	1/4, 5/16, 3/8, 1/2, 5/8	280	6	●



**PINZA CORTACAPILARES / CAPILLARY TUBE CUTTER / PINCE COUPE CAPILAIRES / MIKROSTRIPPER ZANGE / PINZA TAGLIACAPILLARI / ALICATES CORTA CAPILARES / ТРУБОРЕЗ ДЛЯ КАПИЛЛЯРНЫХ ТРУБОК**

COD.	 O.D. mm	 g		
<b>63759</b>	1-3	85	6	●






**PARA LAVABO / BASIN TOOLS / OUTILS LAVABO / WERKZEUG FÜR WASCHBECKEN / UTENSILI PER LAVABI / FERRAMENTA PARA LAVABO / ИНСТРУМЕНТЫ ДЛЯ РАКОВИН, РАДИАТОРОВ**

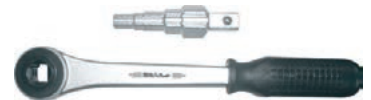
**LLAVE PARA RADIADORES / RADIATOR SPUD WRENCH / CLÉ DE MONTAGE / SPEZIAL RATSCHÉ FÜR HEIZKÖRPER / CHIAVE DI MONTAGGIO / CHAVE DE MONTAGEM / РАДИАТОРНЫЙ КЛЮЧ**

COD.	
<b>61168</b>	
COD.	
<b>61169</b>	

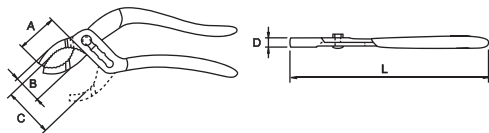





**KIT**

COD.	 g	
<b>61167</b>	490	1
COD. PCS.	 O.D. inch	
61168		
61169	3/8-1/2-3/4-1	



**TENAZA DE SIFÓN / SYPHON PLIER / PINCE SANIGRIP / SIPHONZANGE / PINZA PER SIFONI / ALICATE DE SIFAÕ / КЛЕЩИ ДЛЯ СИФОНОВ**



COD.	L (inch)	A (mm)	B (mm)	C (mm)	D (mm)	 g		
<b>62136</b>	10	45	36	60	15	300	6	●

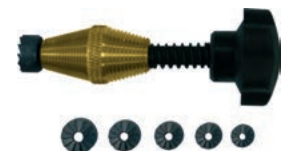


**CARACTERÍSTICAS / FEATURES / CARACTÉRISTIQUES**

Fundas blandas / Soft sleeves / Mâchoires de protection en plastique molle

**KIT REPARADOR DE GRIFOS / VALVE RESEATER / KIT PLOMBIER / WASSERHAHN-FRÄSGERÄT / KIT APPARECHI PER RUBINETTI / KIT REPARADOR DE TORNEIRAS / НАБОР ДЛЯ ПРИТИРКИ КРАНОВ**

COD.		 g		
<b>68059</b>	10-12-13-14-15-16	380	1	●



COD.				
<b>68058</b>	10-12-13-14-15-16	400	1	•






■ LLAVES DE LAVABO / BASIN WRENCHES / CLÉS LAVABO / STANDHAHNMUTTERNSCHLÜSSEL / CHIAVI PER LAVABI / CHAVES DE LAVABO / КЛЮЧ ДЛЯ РАКОВИН

■ STANDARD



COD.		L (mm)			
<b>61008</b>	10-32	288	490	6	•







■ TELESCOPIC

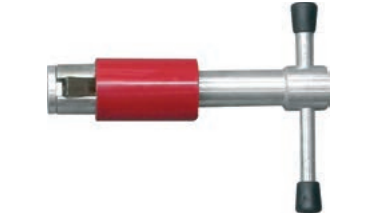
COD.		L (mm)			
<b>61009</b>	10-32	460	700	6	•



COD.		L (mm)			
<b>61000</b>	15-32	240	500	6	•



COD.		L (mm)			
<b>61325</b>	1-1.1/4	240	300	6	•



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