

SITASA SITASA SITASA SITASA  
SITASA SITASA SITASA SITASA  
SITASA SITASA SITASA SITASA



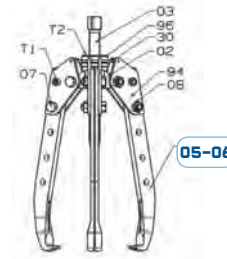
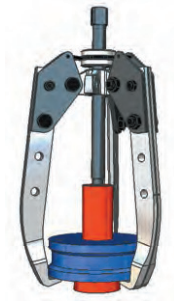
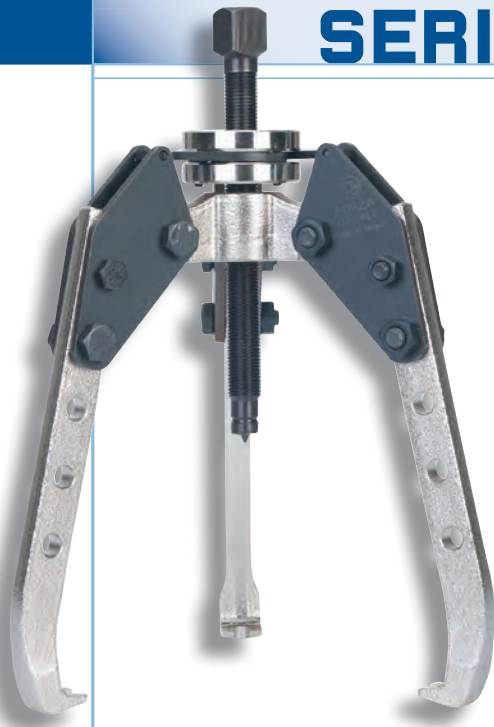
**Suministros Industriales del Tajo, S.A.**



C/ Jarama 52, Polígono Industrial, 45007 Toledo (Spain)  
Telf: (34) 925 23 22 00 Fax: (34) 925 23 21 47  
www.sitasa.com sitasa@sitasa.com



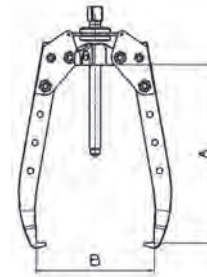
# SERIE 7300AT



Autocentrantes  
Self centering 2/3 jaws pullers  
Extracteur autocentrant 2/3 griffes



Ref.	A	B	Ref. pata	 combina 2/3 patas	
<b>7301AT</b>	105	110	730185	si	0,8
<b>7304AT</b>	185	175	730485	si	1,9
<b>7307AT</b>	225	240	730785	si	6,5

A: Autocentrante  
T: 3 patas · 3 jaws · 3 griffes



Ref.	A	B	Ref. pata	 combina 2/3 patas	
<b>7301ALT</b>	120	125	730186	si	0,8
<b>7304ALT</b>	210	220	730486	si	2,1
<b>7307ALT</b>	270	280	730786	si	6,7

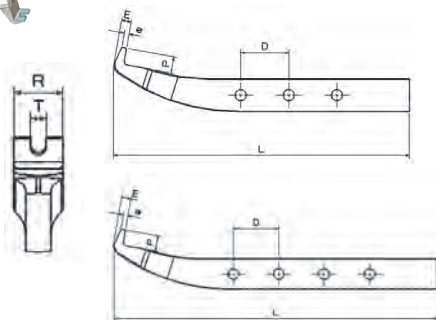
A: Autocentrante  
L: Pata larga · Long jaw · Griffes longue  
T: 3 patas · 3 jaws · 3 griffes

**05-06**

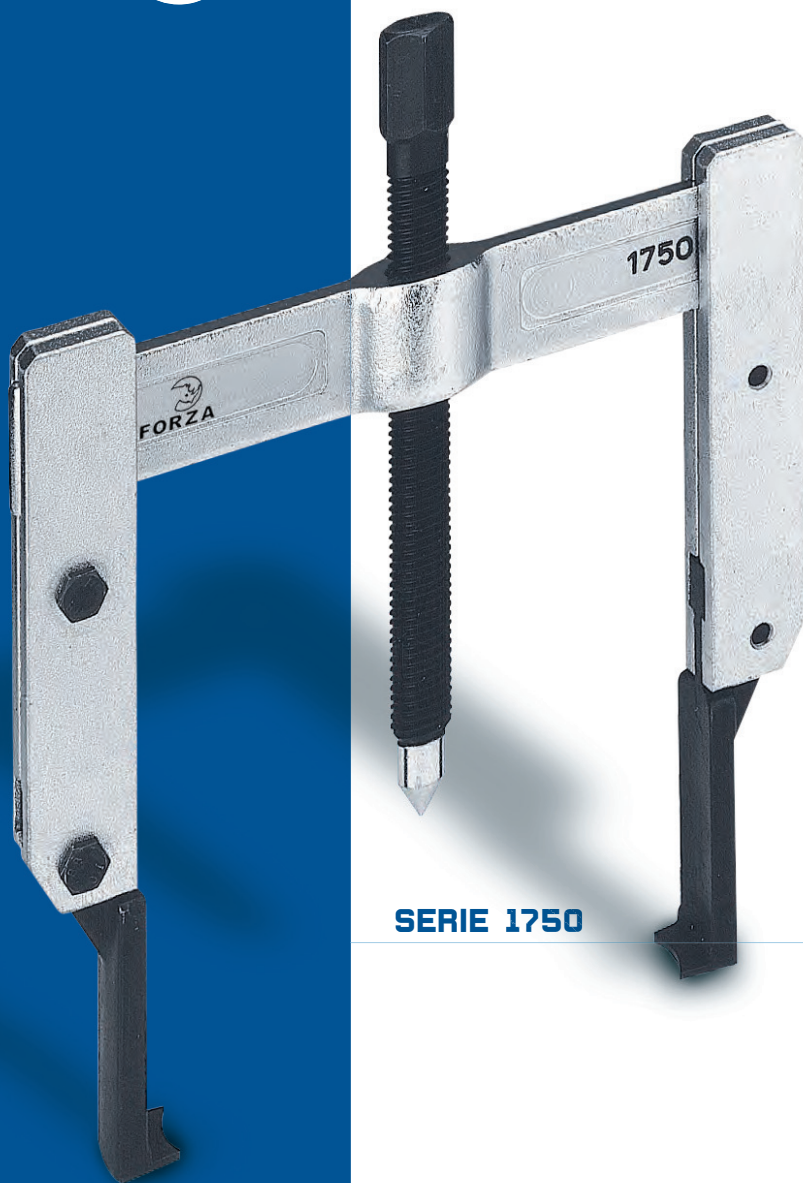
**PATA · JAW · GRIFFE**

**85-86**

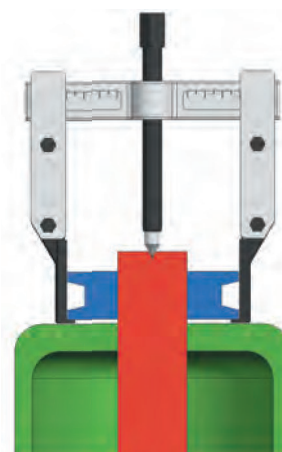
05: Corta · Short · Courte  
06: Larga · Long · Longue



Ref.	R	T	E	e	P	D	L
<b>730105</b>	13	5	4,5	2	7	19	121
<b>730405</b>	17	6	5	3,5	11,5	35	205
<b>730705</b>	24	8	8	4	14,5	44,5	273
<b>730106</b>	13	5	4,5	2	7	19	140
<b>730406</b>	17	6	5	3,5	11,5	35	247
<b>730706</b>	24	8	8	4	14,5	44,5	317
<b>730186</b>	13	5	4,5	2	7	19	140
<b>730486</b>	17	6	5	3,5	11,5	35	247
<b>730786</b>	24	8	8	4	14,5	44,5	317
<b>730185</b>	13	5	4,5	2	7	19	121
<b>730485</b>	17	6	5	3,5	11,5	35	205
<b>730785</b>	24	8	8	4	14,5	44,5	273



**SERIE 1750**



**SERIE 1750T**

Extractor mecánico 3 patas finas, interior y exterior  
 3 thin jaws mechanical puller, interior and exterior  
 Extracteur mécanique de 3 griffes fines



**ESTUCHE · PULLERS KIT · JEU**

Ref.	contenido / content / contenu
9075	1-1750
	2-175040
	2-175060
	2-185031
	2-180532

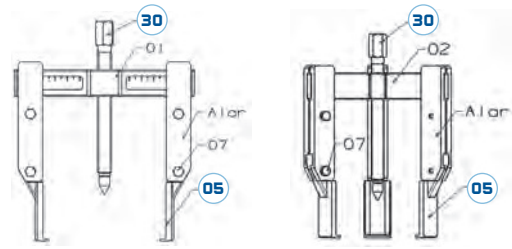
Estuche de extractores de patas finas  
 Pullers kit with thin jaws  
 Jeu d'extracteur avec griffes fines



# SERIE 1750



Extractor mecánico 2 patas finas, interior y exterior  
 2 thin jaws mechanical puller, interior and exterior  
 Extracteur mécanique de 2 griffes fines



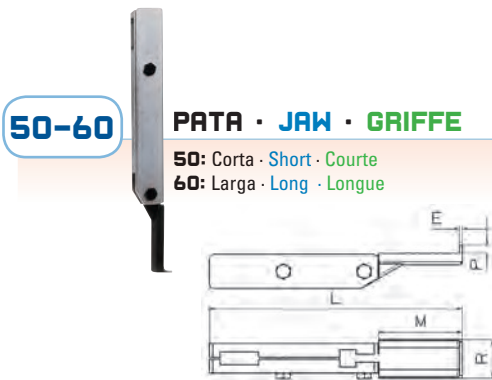
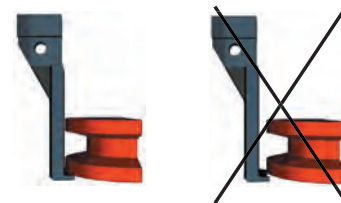
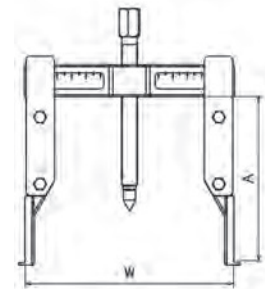
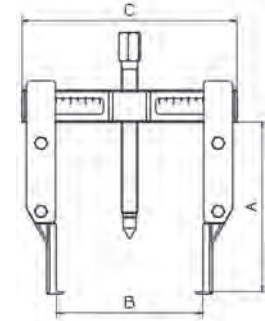
Ref.	A	B max	B min	W max	W min	C	
<b>1750C</b>	105	140	35	185	98	186	1,4
<b>1750</b>	145	140	35	185	98	186	1,7
<b>1750L</b>	195	140	35	185	98	186	2,1
<b>1760</b>	200	165	45	220	120	220	5
<b>1760L</b>	300	165	45	220	120	220	6


**C:** Parta corta · Short jaw · Griffes courte  
**L:** Pata larga · Long jaw · Griffes longue



Ref.	A	B max	B min	W max	W min	C	
<b>1750CT</b>	105	125	30	170	90	170	1,9
<b>1750T</b>	145	125	30	170	90	170	2,5
<b>1750LT</b>	195	125	30	170	90	170	3,1
<b>1760T</b>	200	215	40	270	115	270	7,5
<b>1760LT</b>	300	215	40	270	115	270	9


**C:** Parta corta · Short jaw · Griffes courte  
**T:** 3 patas · 3 jaws · 3 griffes  
**L:** Pata larga · long jaw · griffe longue

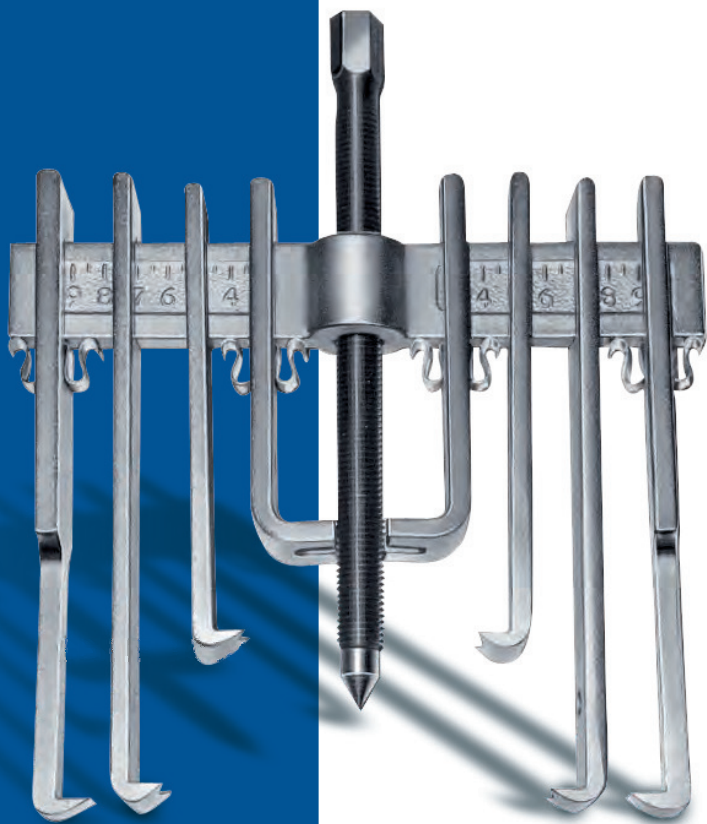


Ref.	L	M	R	P	E	
<b>175005</b>	-	61,5	27	5,8	2	1750C-1750-1750L
<b>176105</b>	-	61	27,5	5,8	3,5	1760-1760L
<b>175040*</b>	145	61,5	27	5,8	2	1750C-1750CT
<b>175050*</b>	185	61,5	27	5,8	2	1750-1750T
<b>175060*</b>	235	61,5	27	5,8	2	1750L-1750LT
<b>176150*</b>	256	61	27,5	5,8	3,5	1760-1760T
<b>176160*</b>	356	61	27,5	5,8	3,5	1760L-1760LT

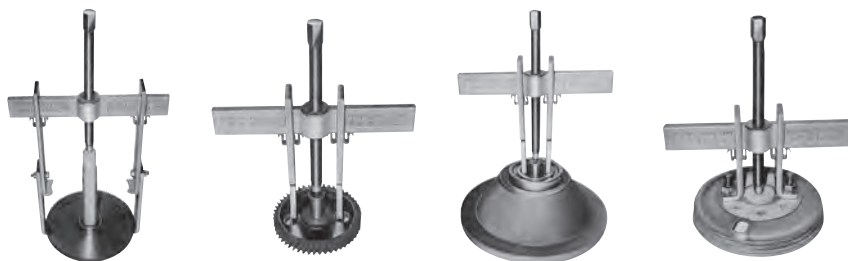
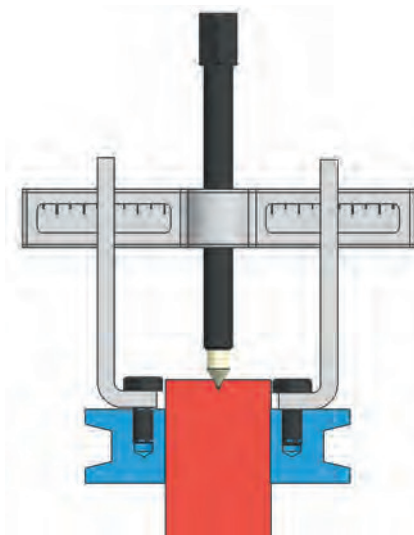
\* Incluye bridas y tornillos  
 Straps and screws included  
 Comprend des brides et vis



Ref.	X	H	M	L	
<b>180530</b>	25	170	● 9/16" 12h	180	1750C-1750-1750L-1750CT-1750T-1750LT
<b>901003</b>	25	220	● M18 x 2,5	180	1760-1760L-1760T-1760LT



**SERIE 1800**

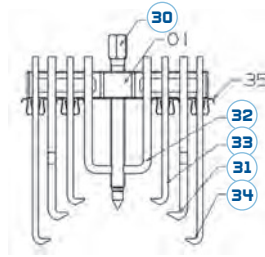


**SERIE 1800T**

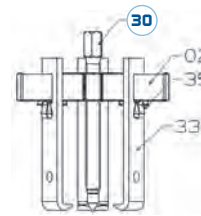
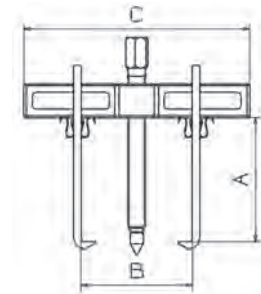


# SERIE 1800

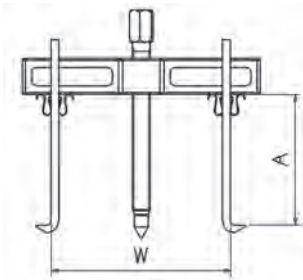
Extractor múltiple 2 y 3 patas  
 Multiple puller 2 and 3 jaws  
 Extracteur multiples 2 et 3 griffes



Ref.	A	B max	B min	C	W max	W min	⚖️
<b>1805</b>	140	173	35	185	155	90	2,7
<b>1810</b>	182	250	35	280	260	105	8



Ref.	A	B max	B min	C	W max	W min	⚖️
<b>1805T</b>	140	173	35	185	155	90	3,7
<b>1810T</b>	182	250	35	280	260	105	8,5



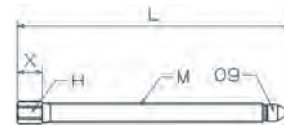
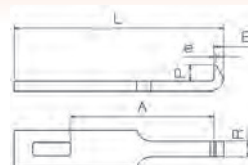
T: 3 patas · 3 jaws · 3 griffes

**31-32-33-34**

**PATA · JAW · GRIFFE**

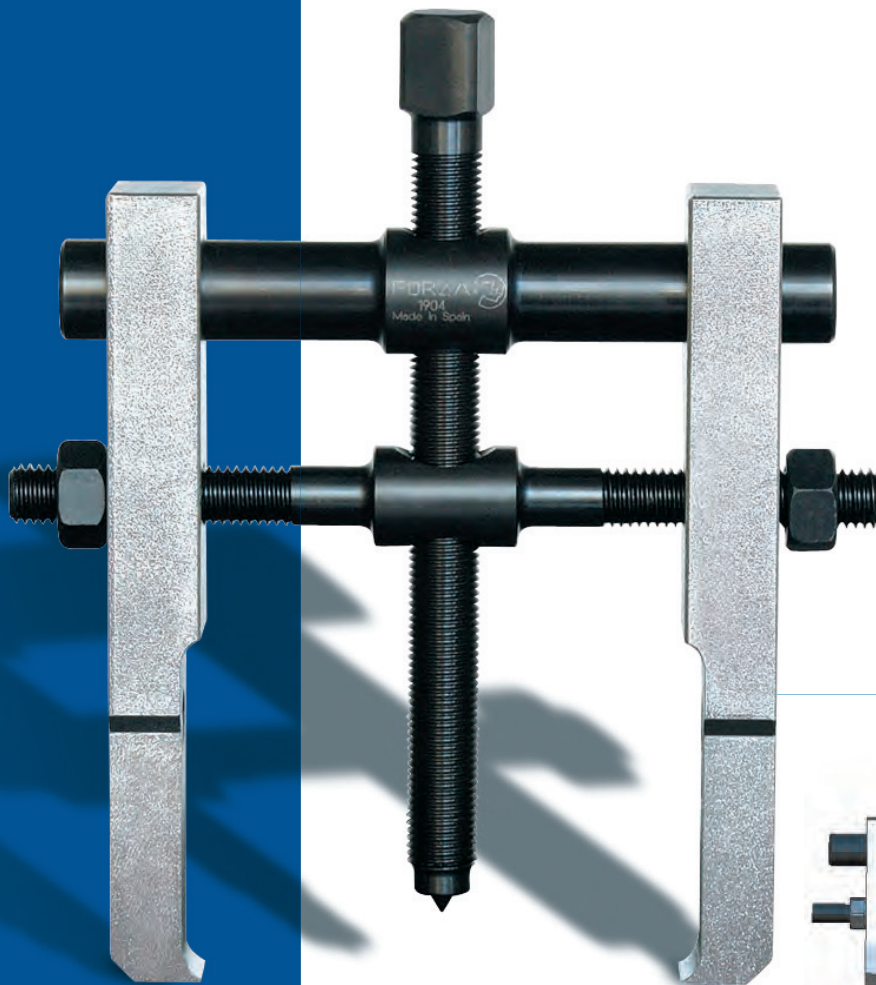
**30**

**HUSILLO · SPINDLE · VIS**

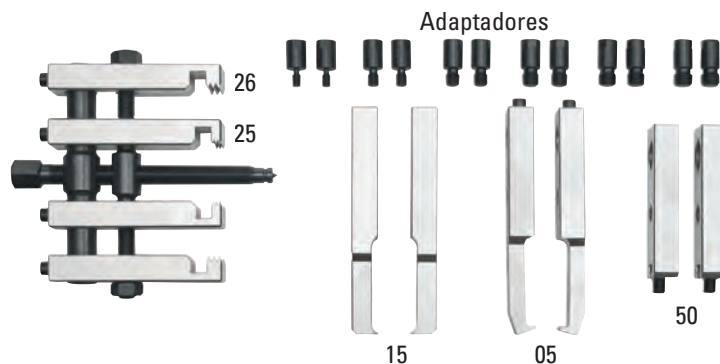
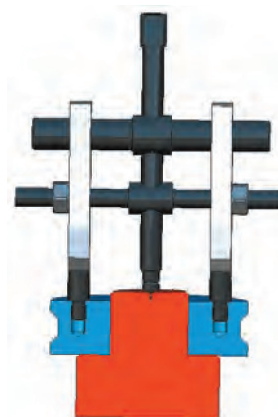


Ref.	A	e	E	L	P	R
<b>180531</b>	114	1,5	8	167	13	12,5
<b>180532</b>	66	8	8	119	20	30
<b>180533</b>	100	1	6	151	12	30
<b>180534</b>	138	1	6	192	12	30
<b>181031</b>	182	1,5	10	255	14	17
<b>181032</b>	75,5	10	10	149	24	40
<b>181033</b>	120	1	8	191	14	40
<b>181034</b>	180	2	8	253	14	40

Ref.	H	L	M	X
<b>180530</b>	17	179	9/16"UNC12h	25
<b>181030</b>	20	272	3/4"UNC10h	25



**SERIE 1900**

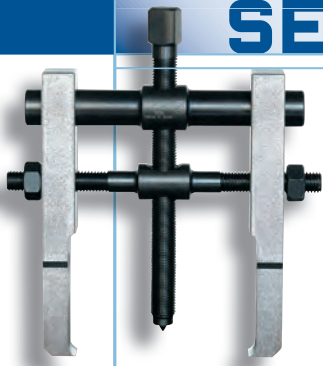


**JUEGOS DE EXTRACTORES · PULL SET · JEUX D'EXTRACTEURS**

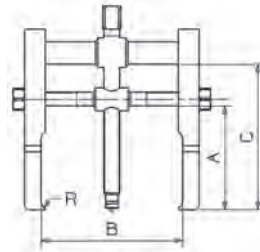
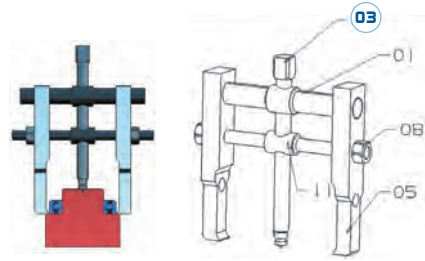
Ref.	contenido/contained/contenu	Adap.	△
<b>1904K</b>	1-1904V 2-190405 2-190415 2-190450	6	4,9
<b>1907K</b>	1-1907V 2-190705 2-190715 2-190750	5	10




# SERIE 1900

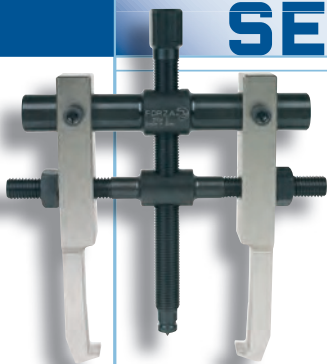


Separador de rodamientos  
 Universal bearing splitter/puller  
 Extracteur/décolleur universel de roulement

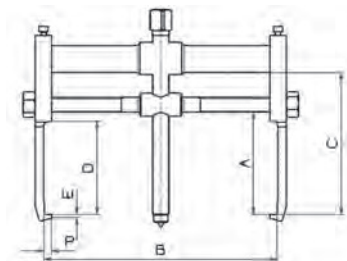
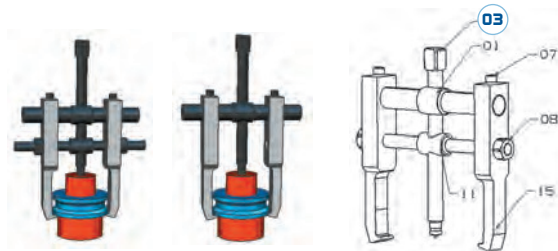


Ref.	A	B max	B min	C	R	
1904	89	120	34	125	6	1,7
1907	110	245	59	155	6	4,8

# SERIE 1900E



Extractor de exteriores  
 External Puller  
 Extracteur d'extérieur

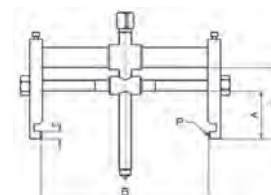
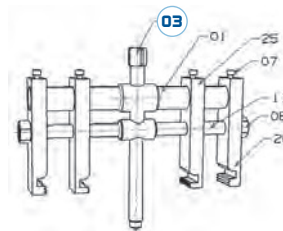
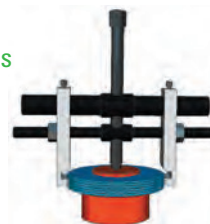



Ref.	A	B max	B min	C	D	E	P	
1904E	83	130	30	117	60	3	6,5	1,6
1907E	105	253	55	150	100	4	9	3,8

# SERIE 1900V



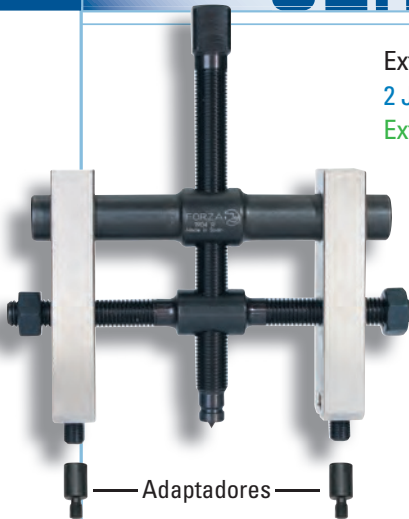
Extractor para poleas en V  
 V pulley pullers  
 Extracteur de Poulies rainurées



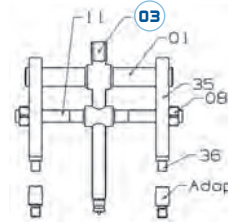
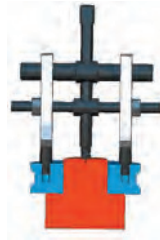
Ref.	A	B max	B min	C	E (P25)	E (P26)	P (P25)	P (P26)	
1904V	60	115	35	85	7	10,5	2,34	3,56	2,3
1907V	67	235	55	100	7	10,5	2,34	3,56	4,9


# SERIE 1900R

Extractor de 2 patas roscadas  
 2 Jaws threaded  
 Extracteur 2 griffes fileté



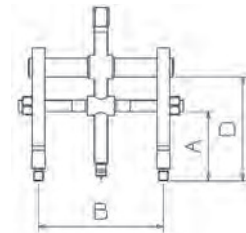
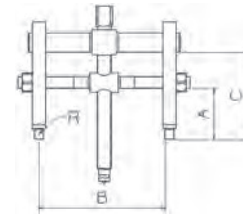
Adaptadores




Ref.	A	B max	B min	C	R	
1904R	50	140	42	87	3/8 ~ 24h	1,7
1907R	66	253	67	110	5/8 ~ 18h	4,1

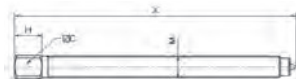
Medidas con adaptador  
 Measures with the adapter  
 Mesures avec l'adaptateur


Ref.	A	B max	B min	D
1904R	71	140	42	107
1907R	102	253	67	145



	adaptadores/adapters/adaptateurs					
1904R	1102306	1102308	1102310	1102312	1102314	110231-2
Rosca	M-6	M-8	M-10	M-12	M-14	1/2"20h
1907R	1110312	1110314	1110316	1110318	1110320	
Rosca	M-12	M-14	M-16	M18	M-20	

## 03 HUSILLO · SPINDLE · VIS



	Husillo	M	C	H	X
1904	130403	14x1.5	16	20	177
1907	130703	18x1.5	19	23	235

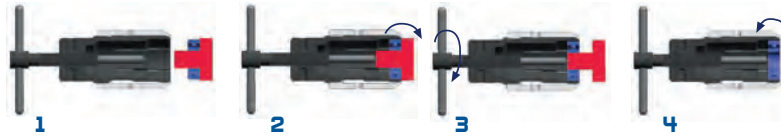
**DESPEGADOR DE RODAMIENTOS · BEARING SEPARATOR · ROULEMENT SÉPARATEUR**



Ref.	Capacidad Ø	Rodamientos que extraen Bearing/ Roulement	⚖
1716	14,5 - 16	625 - 634	0,3
1719	17,5 - 19	607-626-635-135-126	0,3
1722	20,5 - 22	608-627-127	0,7
1724	22,5 - 24	609	0,7
1726	24 - 26	629-6000-129	1
1728	26 - 28	6001	1
1730	28 - 30	6200-4200-7200-3200	1,3
1732	30 - 32	16002-6002-6201-4201-7201-3201	1,3
1735	33 - 35	16003-6003-6202-6300-4202-7202-7300-3202	1,3
1737	35 - 37	6301-7301	2,3
1740	37 - 40	6203-6302-4203-7203-6203	2,4
1742	40 - 42	16004-6004-4302-7302-3302	2,5
1747	42 - 47	16005-6005-6204-6303-4204-4303-7204-7303-3204-3303	2,7

Aplicación  
Application  
Application

Casquillo del volante de dirección de VW  
Steering wheel cap VW  
Bague de volant de direction VW



**MICRO EXTRACTOR · MICRO PULLER · MICROEXTRACTEUR**

Ref.	A	B max	B min	Rodamientos que extraen Bearing/ Roulement	⚖
T51600	73	45	19	6800-6801-6802-6803 6900-6901-6902-6903 6001-6002-6003 6200-6201-6202 6300-6301-6302 606-607-609-626-627-628-629 636-637-638-639-668-688-689 697-698-699	1,1

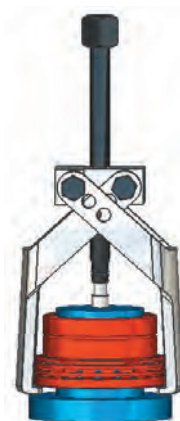


**FORZA**



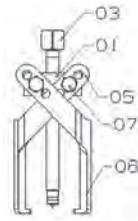


**SERIE 2640**

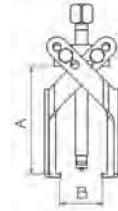


**SERIE 2840T**

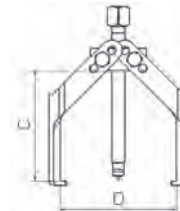
# SERIE 2640



Ref.	Posición 1		Posición 2		⚖️
	A	B	C	D	
2641	90	55	90	95	0,3
2642	125	70	120	125	0,8
2643	125	80	160	125	1



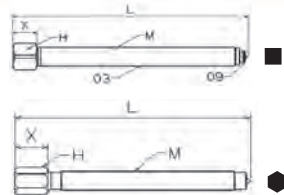
POSICIÓN 1



POSICIÓN 2

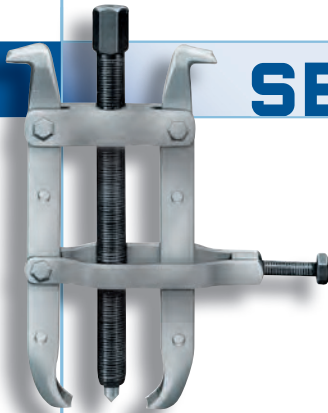
03

HUSILLO · SPINDLE · VIS

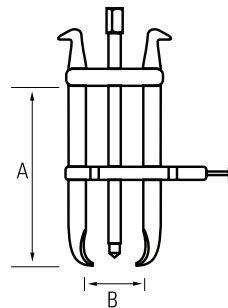


Husillo spindle/vis	M	L	X	H	⚖️
130103	10 x 1	124	14	12	2641
130403	14 x 1,5	180	20	16	2642
160203	14 x 1,5	245	20	19	2643

# SERIE 2790



Ref.	A	B	Ref. husillo	Ref. pata	⚖️
2791	175	95	279103	279105	2,4

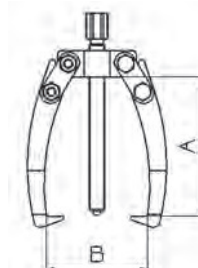
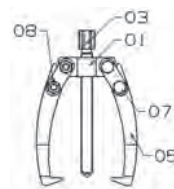


# SERIE 2840



Ref.	A	B	⚖️
2841	40	60	0,1
2842	65	75	0,2
2843	80	100	0,3

Ref.	A	B	⚖️
2841T	40	60	0,2
2842T	65	75	0,3
2843T	80	100	0,5



T: 3 patas · 3 jaws · 3 griffes



**SERIE 1500**



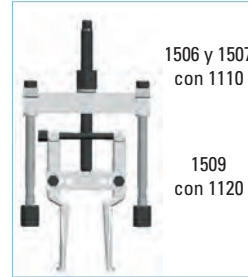
**SERIE 1500A**



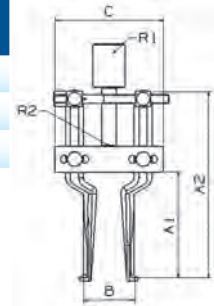
# SERIE 1500



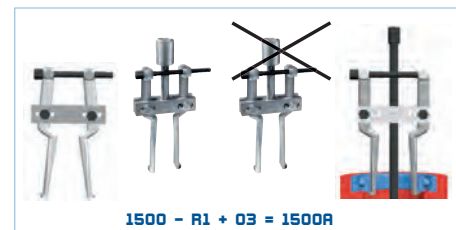
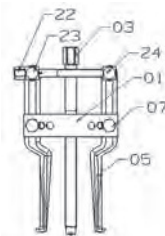
Extractor mecánico 2 patas rígidas, interior  
 2 jaws manual puller, internal  
 Extracteurs avec 2 griffes, interieur



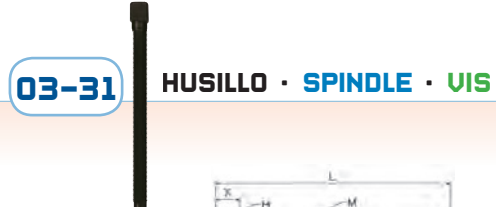
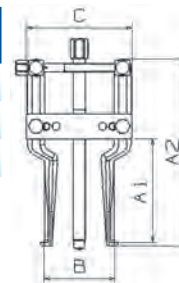
Ref.	A1	A2	B max	B min	C	R1 rosca pomo	R2 rosca cuerpo	Combina con	△
<b>1506</b>	115	237	145	40	133	1" 14h	5/8" 14h	1110-1120	2,4
<b>1507</b>	140	266	160	32	133	1" 14h	5/8" 14h	1110-1120	2,6
<b>1509</b>	150	310	240	60	202	1 1/2" 12h	1" 14h	1120-1135	6



**SERIE 1500A**  
 Extractor mecánico 2 patas rígidas, interior  
 2 jaws manual puller, internal  
 Extracteurs avec 2 griffes, interieur



Ref.	A1	A2	B max	B min	C	Combina con	△
<b>1506A</b>	115	237	145	40	133	1110	2,4
<b>1507A</b>	140	266	160	32	133	1110	2,6
<b>1509A</b>	150	310	240	60	202	1120	6



Ref.	P	R	E	M	L	D	△
<b>150605</b>	4,5	31	5	115	240	74,5	1506 / 1506A
<b>150705</b>	4,5	25	4,5	140	266	74,5	1507 / 1507A
<b>150905</b>	11	55	8	150	311	115	1509 / 1509A

Ref.	M	L	X	H	△	△
<b>150603</b>	5/8" 18h.	268	25	20	● fijo	1506A / 1507A
<b>112031</b>	1" 14h.	398	30	19	■ www	1509A



**SERIE 2500**



25-1

**JUEGOS · SETS · JEUX**

Ref.						
25-1	6 Ø5-Ø34	2500-2514	4390	2525	2521	4,5
25-2	8 Ø5-Ø58	2500-2516	4390	2525 2526	2521 2522	11,5



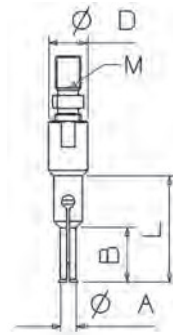
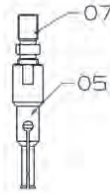
25-2



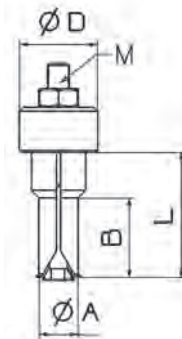
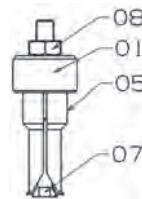
# SERIE 2500



Extractor de interiores  
Internal puller  
Extracteur d'intérieur




Ref.	ØA min	ØA max	B	L	ØD	M
2500	5	7	8	27	15	10 x 1,5
2510	8	11	20	40	15	10 x 1,5

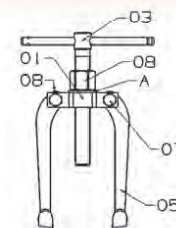
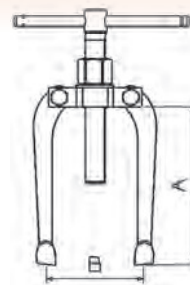


Ref.	ØA min	ØA max	B	L	ØD	M
2511	12	15	27	53	26	10 x 1,5
2512	16	19	29	53	26	10 x 1,5
2513	20	26	35	55	34	10 x 1,5
2514	28	34	60	60	34	10 x 1,5
2515	35	44	78	78	43	16 x 2
2516	44	58	91	91	43	16 x 2



**CONTRA-APOYO · PUSH PULLER · CONTRE-APPUI**

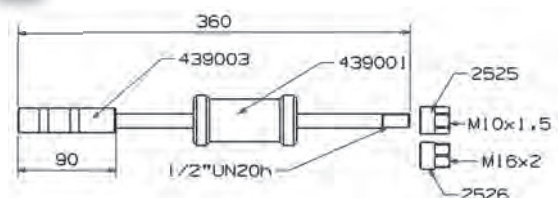
Ref.	A	B	
2521	128	85	2500-2514
2522	154	135	2515-2516



**2524 BARRA DE IMPACTO · SLIDE HAMMER · MASSE D'INERTIE**

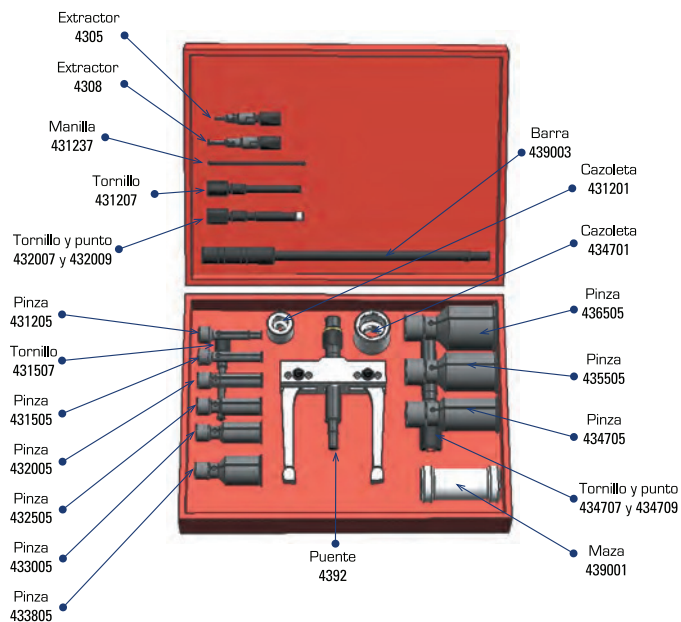


Incluye 2 adaptadores  
2 adaptors included  
Comprend 2 adaptateurs





## SERIE 4300



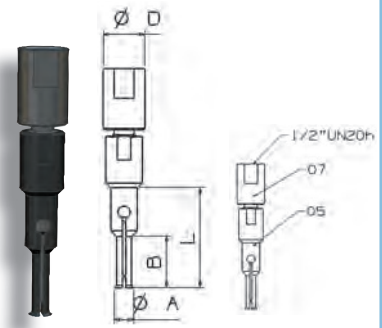
## JUEGOS · SETS · JEUX


Ref.				
43-10	7 Ø5-Ø37	4305-4330	4390	no 3,6
43-22	8 Ø5-Ø46	4305-4338	4390	4392 5,2
43-30	6 Ø12-Ø46	4312-4338	4390	no 3,6
43-42	11 Ø5-Ø76	4305-4365	4390	4392 8,5
43-11	7 Ø5-Ø37	4305-4330	no	4392 3,5
43-31	6 Ø12-Ø46	4312-4338	no	4392 3,7
43-52	7 Ø20-Ø76	4320-4362	4390	4392 8

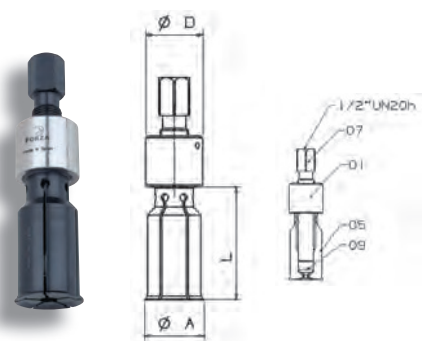
# SERIE 4300

Extractor de interiores  
Internal puller  
Extracteur d'intérieur

Ref.	ØA max	ØA min	B	L	ØD				
4305	5	7	8	27	15	430505	no	430507	0,08
4308	8	11	20	40	15	430805	no	430807	0,09

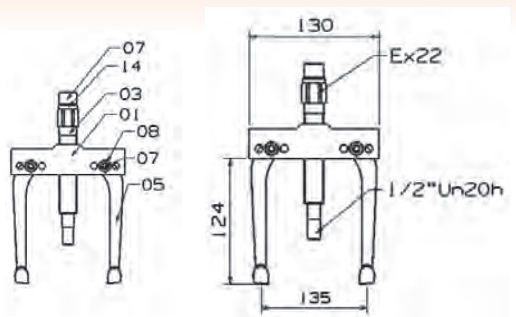


Ref.	ØA max	ØA min	L	ØD				
4312	12	14	64		431205		431207	0,27
4315	15	19	64		431505		431507	0,27
4320	20	24	65	33	432005	431201	432007	0,32
4325	25	29	65		432505			0,37
4330	30	37	65		433005			0,42
4338	38	46	65		433805			0,55
4347	47	54	88		434705			1,32
4355	55	64	89	45	435505	434701	434707	1,58
4365	65	76	89		436505			1,95

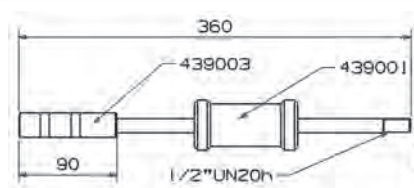


## 4392 CONTRA-APOYO · PUSH PULLER · CONTRE-APPUI

Un solo contraapoyo para todos los extractores. Sin adaptadores de rosca  
One push pullers fits all collets. No thread adapters needed  
Un contre-appui pour toutes les pinces. Aucun adaptateur fileté requi



## 4390 BARRA DE IMPACTO · SLIDE HAMMER · MASSE D'INERTIE










## SERIE 4400



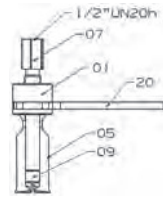
## JUEGOS · SETS · JEUX

Ref.					
44-30	6 Ø12-Ø46	4342-4438	4390	no	3,75
44-31	6 Ø12-Ø46	4342-4438	no	4392	3,8
44-45	5 Ø20-Ø54	4420-4447	4390	no	5
44-47	5 Ø20-Ø54	4420-4447	4390	4392	6,35
44-52	7 Ø20-Ø76	4420-4465	4390	4392	8,5
44-47	9 Ø20-Ø76	4412-4465	4390	4392	8,5

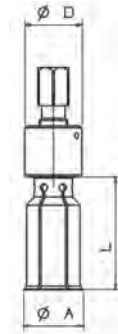
# SERIE 4400



Extractor de interiores  
Internal puller  
Extracteur d'intérieur

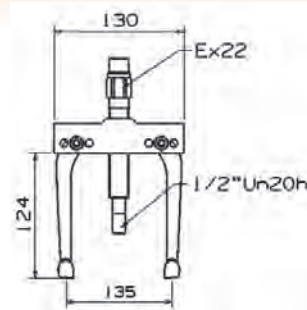
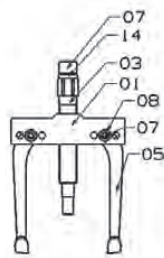


Ref.	ØA max	ØA min	L	ØD					
4412	12	14	64		431205		431207		0,35
4415	15	19	64		431505		431507		0,35
4420	20	24	65	33	432005	441205	432007	441220	0,4
4425	25	29	65		0,45				
4430	30	37	65		0,55				
4438	38	46	65		0,65				
4447	47	54	88		434705				1,5
4455	55	64	89	45	435505	434701	434707	444720	1,7
4465	65	76	89		436505				2,2

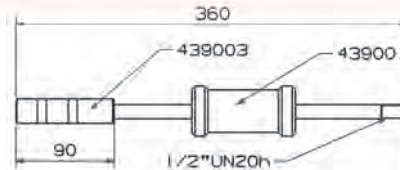


## 4392 CONTRA-APOYO · PUSH PULLER · CONTRE-APPUI

Un solo contraapoyo para todos los extractores. Sin adaptadores de rosca  
One push pullers fits all collets. No thread adapters needed  
Un contre-appui pour toutes les pinces. Aucun adaptateur fileté requi



## 4390 BARRA DE IMPACTO · SLIDE HAMMER · MASSE D'INERTIE









EXTRACTORES CON BARRA DE IMPACTO · SLIDE HAMMER PULLER 2/3 LEGS ·  
EXTRACTEUR MASSE À INERTIE 2/3 BRANCHES



## SERIE 4702C

### JUEGOS · SETS · JEUX

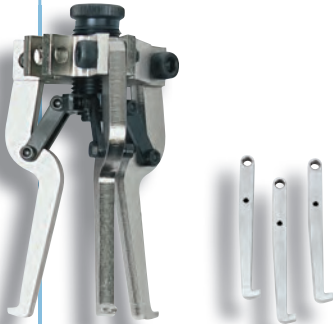
Ref.						
4720	4312	4315	4320	4390	4702	4,5

Interior / Internal / Interieur: Ø 12 - Ø 100 mm  
Exterior / External / Exterieur: Ø 0 - Ø 75 mm



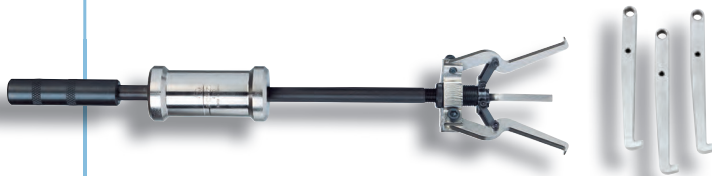
# SERIE 4702

Extractores con barra de impacto  
 Slide hammer puller 2/3 legs  
 Extracteur masse à inertie 2/3 branches



## 4702

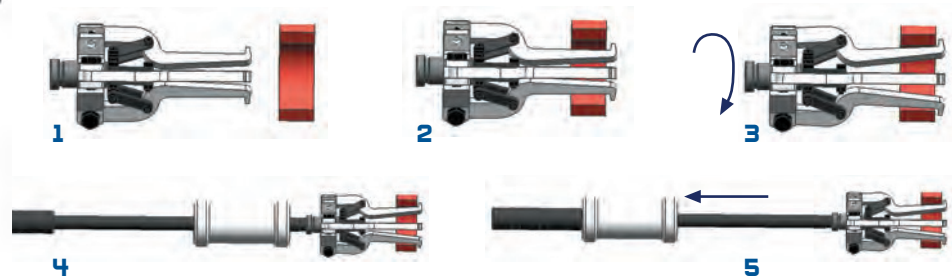
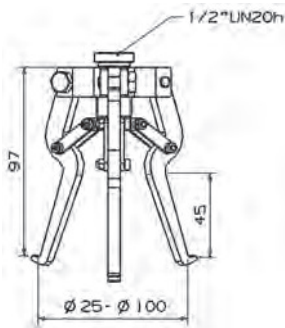
Extractor + patas de exteriores  
 Puller + external jaws  
 Extracteur + griffes d'extérieur



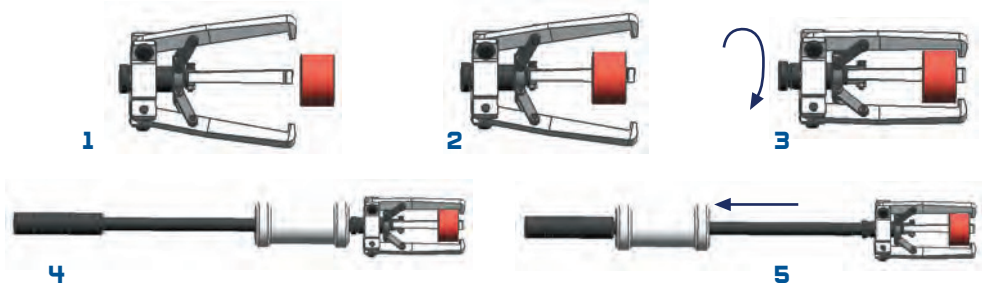
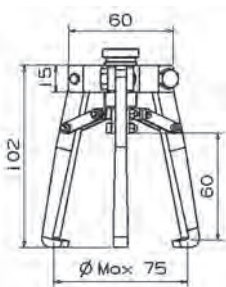
## 4702C

Extractor + patas de exteriores + barra de impacto  
 Puller + external jaws + slide hammer  
 Extracteur + griffes d'extérieur + masse à inertie

### INTERIORES · INTERNAL · INTERIEUR



### EXTERIORES · EXTERNAL · EXTERIEUR





EXTRACTOR DE RODAMIENTOS DE BOLAS · BALL BEARING PULLER ·  
EXTRACTEUR A GRIFFES POUR ROULEMENTS ENCASTRES



**SERIE 1600**

ESTUCHE · PULLERS KIT · JEU  
**1600-1**





# SERIE 1600



Extractor de rodamientos de bolas

Ball bearing puller

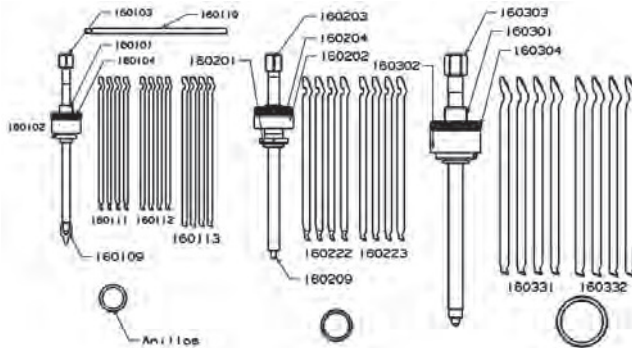
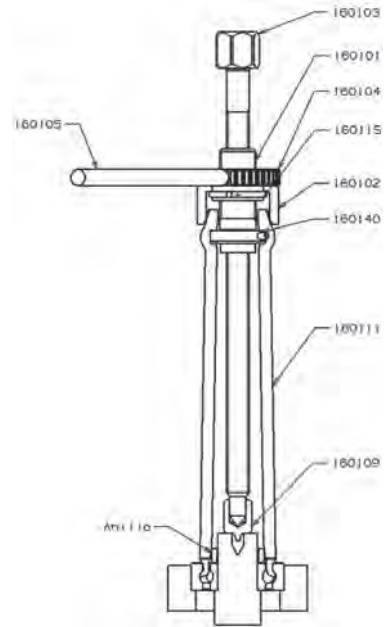
Extracteur a griffes pour roulements encastres

Extractor de rodamientos de bolas. Se utiliza, principalmente, cuando el rodamiento no es accesible ni por el exterior ni por el interior.

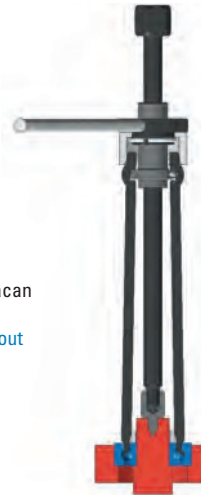
Ball bearing puller. It is used mainly when the bearing is not accesible neither from the exterior nor from the interior.

Extracteur de roulement à billes. Il est utilisé principalement lorsque le roulement n'est accessible ni par l'extérieur ni par l'intérieur.

Ref.	Rodamiento	
<b>1600-1</b>	160111	<b>6000-6001-6002-6003-6200</b>
	160112	6004-6005-6006- <b>6201</b> -6202-6203-6300
	160113	6204-6205-6301-6302-6303
<b>1600-2</b>	160221	<b>6007-6008-6009-6010</b>
	160222	<b>6011-6012</b> -6206-6207-6304-6305-6306
<b>1600-3</b>	160331	6208-6209-6210-6307-6403
	160332	<b>6211</b> -6212-6308-6309-6310-6311-6404-6405-6406
<b>1600-A</b>	<b>Incluye todas las garras</b>	<b>Todos</b>



Los rodamientos en negra se sacan sin anillo.  
The bearings in black are pulled out without ring.  
Les roulements qui sont noir s'extraient sans anneau.

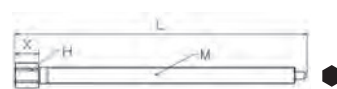


Con anillo.  
With ring.  
Avec anneau.

**03**

**HUSILLO · SPINDLE · VIS**

**09:** Punto · Point · Point



Ref.		X	H	M	L mm
<b>1601 03</b>	fijo	16	17	● 10 x 1,50	215
<b>1602 03</b>	fijo	20	19	● 14 x 1,50	235
<b>1603 03</b>	fijo	26	24	● 18 x 1,50	315



## SERIE 1700



## JUEGOS · SETS · JEUX

Ref.	rodamientos / bearing / roulements	⚖
1700-1	608 - 609 - 626 - 627 - 629 - 6000 - 6001	1,5
1700-2	6002 - 6003 - 6200 a 6203 - 6300 a 6302	3,5
1700-3	6004 - 6005 - 6204 - 6205 - 6206	7,0
1700-4	6006 a 6008 - 6207 a 6209 - 6307 a 6309	12,5
1700-5	6010 a 6012 - 6210 a 6212 - 6310 a 6312	17,5

# SERIE 1700



## SERIE 1700H

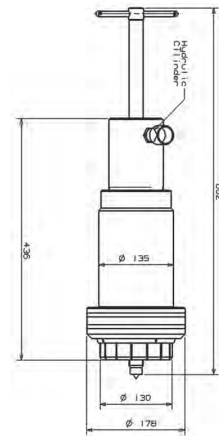
Hidráulico

Hydraulic

Hydrauliques

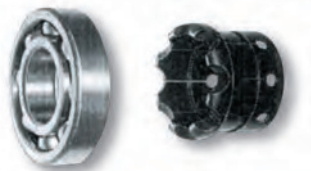
PM: Parte mecánica

PH: Parte hidráulica



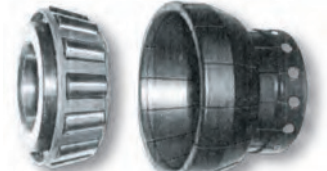
Ref. PM	Ref. PH	⚖ parte mecánica	⚖ parte hidráulica
1700-6H	00918	13,5	16

Rodamientos a bolas  
Ball bearing  
Roulement à billes

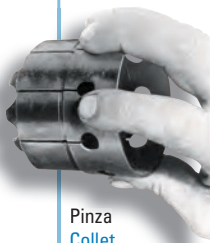


6018-6019-6020-6021-6022-  
6218-6219-6220-6221-6222

Rodamientos cónicos  
Tapered bearings  
Roulements coniques



32216-32217-32218-32219-32220-  
32314-32315-32316-32317



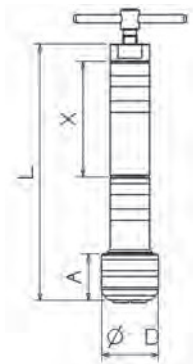
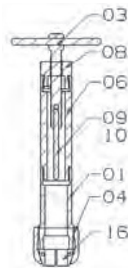
Pinza  
Collet  
Pince

## SERIE 1700

Mecánico

Manual

Mecaniques

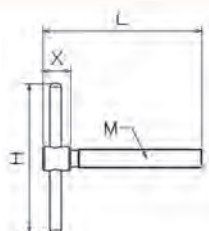


⚖	A	X	L	ØD	⚖
1700-1	3	82	182	40	1,0
1700-2	40	101	255	58	1,6
1700-3	48	102	255	76	3,1
1700-4	56	102	252	106	5,9
1700-5	55	100	275	124	8,0



### 03 HUSILLO · SPINDLE · VIS

09: Punto · Point · Point



Ref.	H	M	X	L	⚖
170103	80	10 x 1,00	15	85	1700-1
170203	130	16 x 1,50	22	116	1700-2
170303	190	20 x 2,00	26	145	1700-3
170403	190	26 x 2,00	30	160	1700-4
170503	260	30 x 2,00	35	165	1700-5



SET BALL

4105



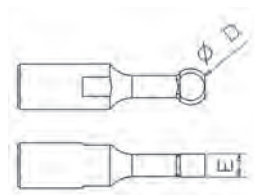
SET BALL

4100



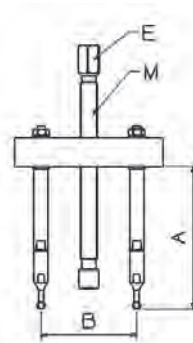
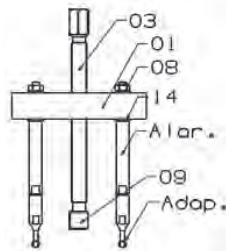
# SET BALL

Extractor de rodamientos  
 Ball bearing puller  
 Extracteur de roulements a bille



Juego Set/Jeux	Rodamiento Bearing/Roulements	Agujero rodamiento Bearing hole/ Trou roulements			ØD	E	
4100	6004 a 6010	de 20 a 95 mm	410011		5,3	3,2	0,9
	6200 a 6205		410012	4110-40 (40 mm)	6	5,1	
	6300 a 6302		410013	4110-95 (95 mm) 4100-105 (105 mm)	8	5,1	
4105	6004 a 6015	de 30 a 117 mm	411013A		8	5,1	2,5
	6200 a 6211		411014	4110-78 (78 mm)	9	5,7	
	6300 a 6307		411015	4110-153 (153 mm)	11	6,2	
	6403 a 6404		411016	4110-160 (160 mm)	12,5	6,2	
			411017A		16	9,2	
4120	6212 a 6222	de 56 a 156 mm	412017		16	9,2	8,9
	6308 a 6319		412018		19	11,3	
			412019	4120-163 (163 mm)	22	14,2	
	6405 a 6414		412020	4120-215 (215 mm)	25	15,2	
			412021	4120-315 (315 mm)	28	16,2	
			412022		31,7	19,2	

**PUNTEROS • PUSH PULLERS • CONTRE APPUI**



Ref.	A	B max	B min	M	E
410000	95	98	26	12 x 1,25	14
411000	136	125	36	16 x 2	19
412000	160	215	54	3/4" UNF 16h	13

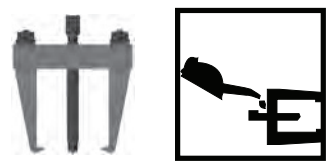


# CERTIFICADO ISO 9001

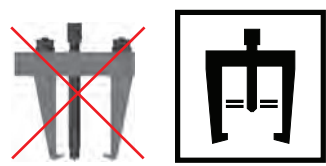


# INSTRUCCIONES DE USO

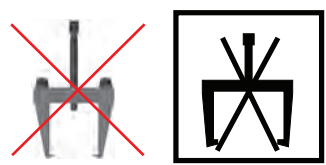
## Instrucciones generales para el uso de extractores General instructions for using the pullers Instructions générales pour l'utilisation des extracteurs



Asegúrese que el husillo está limpio y engrasado.  
Make sure that the spindle is clean and greased.  
Assurez-vous que la vis est propre et bien lubrifiée.



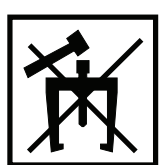
Compruebe que las patas están bien centradas.  
Make sure that the legs are evenly spread.  
Assurez-vous que les griffes soient ouvertes symétriquement.



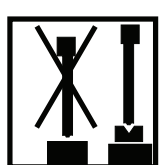
Si el tiro se realiza con el husillo muy alto, tenga cuidado de no torcerlo.  
In case of usage with the spindle oversticking out of the body, watch out not to twist it.  
En cas d'utilisation avec la vis fortement sortie attention de ne pas la voiler.



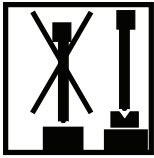
Por esa razón, en los extractores equipados con pata larga, el husillo no llega al final de la pata.  
For the above reason, low jaw pullers have spindles shorter than the actual jaws reaching capacity.  
Pour la raison sus mentionnés, les extracteurs longues griffes ont une vis de portée inférieure a la portée des grifes.



Realice la fuerza girando el husillo no con golpes.  
Turn the spindle but do not hit it.  
Tourner la vis mais ne pas la frapper.



Si el eje no esta punteado utilice un protector de punto.  
If the axle has no punched point use a point protector.  
Si l'axe n'est pas pointé utiliser un protecteur de vis.



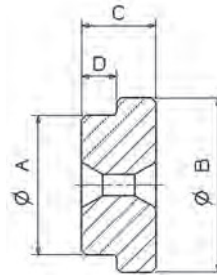
Extractores Hidráulicos  
Hydraulic pullers  
Extracteurs hydrauliques

Ref.	A	B	C	D
111037	21	38	16,5	8
111837	32	40	17	8
113037	38	44	18	9



Extractores Mecánicos  
Manual pullers  
Extracteurs mécaniques

Ref.	A	B	C	D
P0001	6	8	12	6
P0004	10	13	14	7
P0010	15	20	16	8



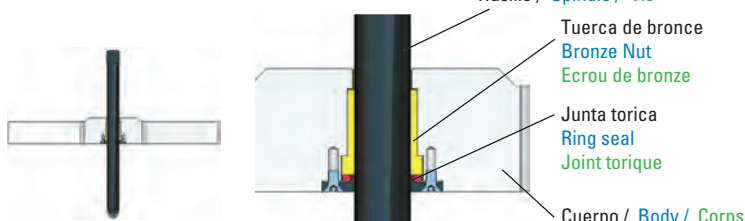
Husillo con punto retráctil  
Spindle with retractable point  
Vis avec pointe rétractable

Simbolo / Symbol / Symbole



Extractores en los que se puede golpear  
Pullers that you can hit  
Extracteurs que vous pouvez frapper

Simbolo / Symbol / Symbole





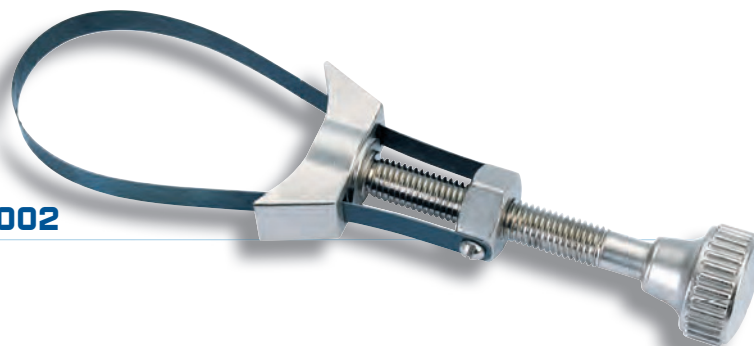
**5701**



**5000M**



**5002**





# EXTRACTORES DE FILTRO DE ACEITE

OIL FILTER EXTRACTOR · CLES POUR FILTRE A HUILE



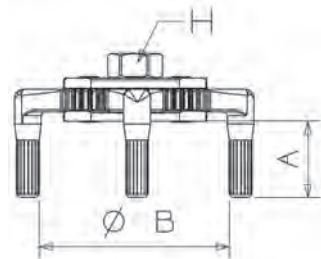
De garras de acero templadas  
Tempered steel jaws  
Griffes en acier trempé




Ref.	Ø min	Ø max	H	A	
5000	55	72	20	31	0,4
5001	68	110	24	37	0,8
5001G	110	142	24	55	2,7

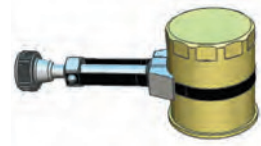



Magnético  
Magnetic  
Magnétique



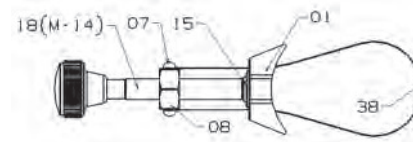
Ref.	Ø min	Ø max	H	A	
5000M	55	72	20	31	0,4
5001M	68	110	24	37	0,8
5001GM	110	142	24	55	2,7

De fleje  
Band type  
Sangle



Ref.	Dimensiones Ø filtro	
5002	de 65 a 110 mm	0,49
5003	de 110 a 155 mm	0,51

Fleje de acero templado  
Band in tempered steel  
Sangle en acier trempé



Ref.	Dimensiones Ø filtro	
500238	repuestos 5002	0,02
500338	repuestos 5003	0,03

# EXTRACTORES DE FILTRO DE ACEITE

OIL FILTER EXTRACTOR · CLES POUR FILTRE A HUILE

## CON MANGO GIRATORIO · STRAP TYPE · MANCHE ROTATIFS



Ref.	Dimensiones Ø filtro	⚖️
T51520	de 73 a 83 mm	1,86
T51522	de 87 a 95 mm	2,63
T51524	de 101 a 111 mm	4,57

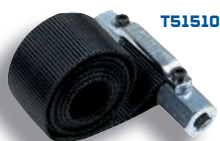
## DE CORREA · STRAP SPANER · CEINTURE



015500

Ref.	Dimensiones Ø filtro	Características	⚖️
015500	hasta Ø 279 mm	Empuñadura con efecto palanca	1,0
T51510	hasta Ø 300 mm	Útil en puntos de difícil acceso	0,4

Correas de repuesto · Spare Strap · Ceinture



T51510

Ref.	Para
015512	Correa de 015500
T51511	Correa del T51510

## JUEGO DE 14 VASOS · 14 SOCKETS SET · LOT DE 14 TOUCHES



Ref.	Características	⚖️
T52000	Ø min 65    Ø Max 100 mm Cuadradillo/drive/ 3/8" Reductor 1/2" a 3/8"	3,1

## ALICATE EXTRACTOR DE FILTROS DE ACEITE · OIL FILTER PLIERS · PLIERS DE FILTRE A HUILE



Ref.	Características	⚖️
T51870	Ø min 45    Ø Max 89 mm Dos posiciones de trabajo	0,43

## DE GARRAS DE CHAPA · SHEET JAWS TYPE · GRIFES DE ETOLE



Ref.	Características	⚖️
T51530	Ø min 62    Ø Max 93 mm Cuadradillo/drive/ 3/8"	0,4

## DE CADENA · CHAIN TYPE · CHAÎNE



Ref.	Características	⚖️
038900	Ø Max 150 mm hex. 1" - Cuadr. 1/2"	0,8
T51501	Ø Max 108 mm hex. 13/16" - Cuadr. 1/2"	0,3

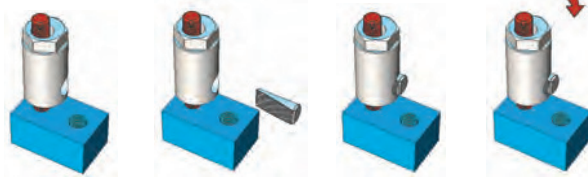
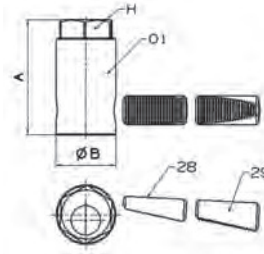
# EXTRACTORES DE ESPÁRRAGOS

STUD EXTRACTOR · EXTRACTEURS DE GOUJONS

## SERIE 2000



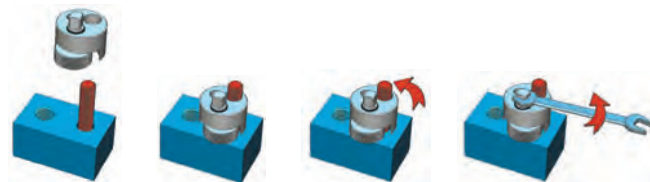
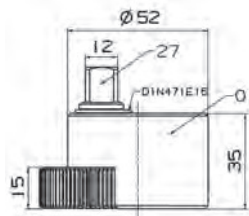
Ref.	Dimensiones		H	A	ØB	⚖
	Ø min	Ø max				
2001	10	16	30	75	34	0,60
2002	15	25	44	100	50	1,34



## SERIE 2100



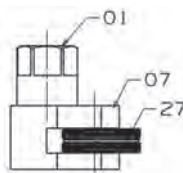
Ref.	Dimensiones		⚖
	Ø min	Ø max	
2102	6	19	0,55



## SERIE 2300



Ref.	Dimensiones		H	A	B	⚖
	Ø min	Ø max				
2301	4,5	9,5	12	46	25	0,14
2302	8	19	21	60	31	0,39
2303	15	25	30	68	38	0,63




# EXTRACTORES DE TORNILLOS ROTOS

SCREW EXTRACTORS · EXTRACTEURS DE GOUJONS

## JUEGO DE MACHOS ESTRIADOS · STRAIGHT FLUTED SET · JEU EXTRACTEURS STRIÉS



Ref.	contenido / content / contenu	
5010	Juego 5 extractores 5 extractors set Jeu de 5 extracteurs	0,27




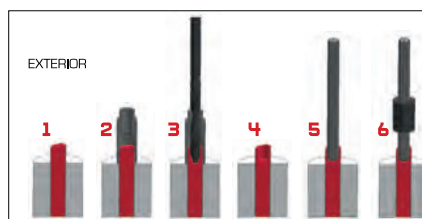
### COMPONENTES · SPARE PARTS · LES PIÈCES DE RECHANGE

Ref.	L	H	LE	Ø broca Ø drill/Ø foret	macho extractor/extracteur	tuerca nut/écrou
5011	16	10	57	4 mm	501101	501102
5012	16	11	68	5 mm	501201	501202
5013	16	13	78	6 mm	501301	501302
5014	16	14	84	7,5 mm	501401	501402
5015	16	16	94	8,5 mm	501501	501502

## JUEGO CON BROCAS Y GUÍAS EXTERIORES · EXTERNAL GUIDES SET · JEU DE GUIDES EXTERNES



Ref.	contenido / content / contenu	
5010 C	Juego con 5 brocas y 10 guías exteriores 5 drills and 10 external guides Jeu avec 5 forets et 10 guides externes	0,27



Guías exteriores  
External Guides  
Guide externes

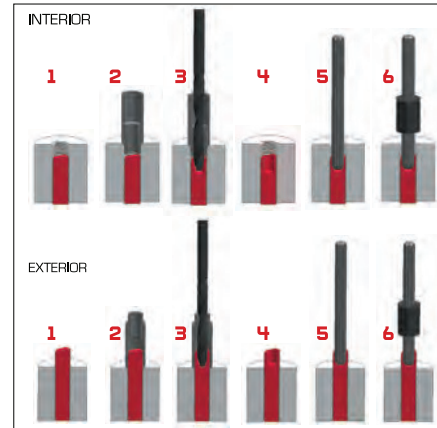
Guía	1	2	3	4	5	6	7	8	9	10
Exterior	M-5	M-6	Ø7	M-8	M-8	Ø9	M-10	Ø11	M-12	M-14
Ø Broca	4	4	4	4	5	5	5	6	7,5	8,5
Extractor	5011	5011	5011	5011	5012	5012	5012	5013	5014	5015


# EXTRACTORES DE TORNILLOS ROTOS

SCREW EXTRACTORS · EXTRACTEURS DE GOUJONS



## GUÍAS INTERIORES Y EXTERIORES · EXTERIORS AND INTERIORS GUIDES · GUIDES EXTERNES ET INTERNES



Ref.	contenido / content / contenu	
<b>5010 CD</b>	Juego con 5 brocas y 10 guías de exteriores e interiores 5 drills and 10 external and internal guides Jeu avec 5 forets et 10 guides externes et internes	0,27



Guías exterior - interior  
External - internal Guide  
Guide externes-internes

Guía	1	2	3	4	5	6	7	8	9	10
<b>Exterior</b>	M-5	M-6	Ø7	M-8	M-8	Ø9	M-10	Ø11	M-12	M-14
<b>Interior</b>	-	M-6	M-8	3/8"	1/4"	M-10	7/16"	M-12	M-14	M-16
<b>Ø Broca</b>	4	4	4	4	5	5	5	6	7,5	8,5
<b>Extractor</b>	5011	5011	5011	5011	5012	5012	5012	5013	5014	5015



## JUEGO EXTRACTORES DE ESPÁRRAGOS · STUD EXTRACTOR SET · JEUX D'EXTRACTEURS DE GOUJONS


Ref.	contenido / content / contenu
<b>9001</b>	2301 / 2302 / 5010CD



## JUEGO EXTRACTORES CON RODILLOS · ROLLER EXTRACTOR SET · JEUX D'EXTRACTEURS À ROULEAUX

Ref.	descripción	
<b>T51310</b>	4 Extractores M-6, M-8, M-10, M-12	1,30

### COMPONENTES · SPARE PARTS · LES PIÈCES DE RECHANGE


Ref.	Métrica	
<b>T51311</b>	M-6	0,20
<b>T51312</b>	M-8	0,20
<b>T51313</b>	M-10	0,30
<b>T51314</b>	M-12	0,30

# EXTRACTORES DE TORNILLOS ROTOS

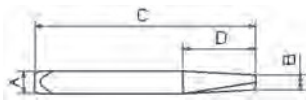
SCREW EXTRACTORS · EXTRACTEURS DE GOUJONS



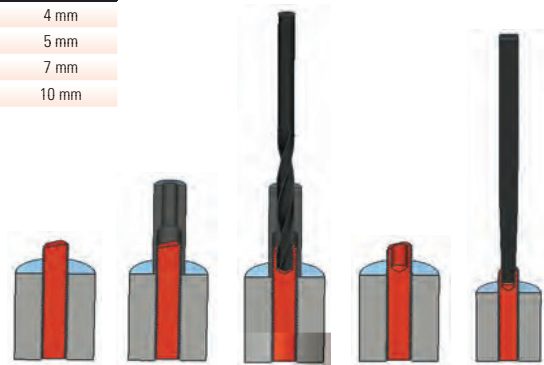
## JUEGO DE MACHOS CUADRADOS HELICOIDALES · HELICOIDAL SQUARE SET · JEUX HÉLICOÏDAL CARRÉ

Ref.	contenido / content / contenu	
5010N	Juego 4 extractores 4 extractors set Jeux de 4 extracteurs	0,42


### COMPONENTES · SPARE PARTS · LES PIÈCES DE RECHANGE



Ref.	A	B	C	D	Ø broca Ø drill/Ø foret
5011N	6	3	102	26	4 mm
5012N	8	4	108	35	5 mm
5013N	10	5,5	118	37	7 mm
5014N	12	7,8	118	39	10 mm



## JUEGO CON BROCAS Y GUÍAS EXTERIORES · EXTERNAL GUIDES SET · JEU DE GUIDES EXTERNES

Ref.	contenido / content / contenu	
5010 TR	Juego completo con 4 extractores, 4 brocas y 8 guías exteriores 4 extractors set with 4 drills and 8 external guides Jeux de 4 extracteurs, 4 forets et 8 guides externes	0,67


# EXTRACTORES DE TORNILLOS ROTOS

SCREW EXTRACTORS · EXTRACTEURS DE GOUJONS



## EXTRACTOR DE TORNILLOS DE ROSCA IZQUIERDA · SPIRAL EXTRACTOR SET · JEU DE EXTRACTEUR À VIS ÉQUERRE

Fabricados en acero Cromo Vanadio  
Made in Crom-Vanadium Steel  
Fabriqués en acier chrome-vanadium

Ref.	contenido / content / contenu	
5010R	Juego 5 piezas de 3 mm a 22 mm 5 extractors set 3-22 mm Jeu de 5 extracteurs 3-22 mm	0,1


### COMPONENTES · SPARE PARTS · LES PIÈCES DE RECHANGE



Ref.	Ø broca Ø drill/Ø foret	m	M	C	L
5011R	3	2,7	4	5	51
5012R	4	3,3	4,7	5	58
5013R	5	4,6	6	6	66
5014R	6	5,5	8	8	73
5015R	8	6,7	10,5	10	80

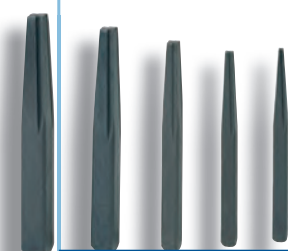


## MODELO BRICO · LIGHTWEIGHT MODEL · MODÈLE LÉGER


Ref.	contenido / content / contenu	
T51300	Juego 5 piezas de 3 mm a 19 mm 5 extractors set 3-19 mm Jeu de 5 extracteurs 3-19 mm	0,1

### COMPONENTES · SPARE PARTS · LES PIÈCES DE RECHANGE

Ref.	Contenido	Ø broca Ø drill/Ø foret
T51301	N1	3
T51302	N2	4
T51303	N3	5
T51304	N4	6
T51305	N5	8

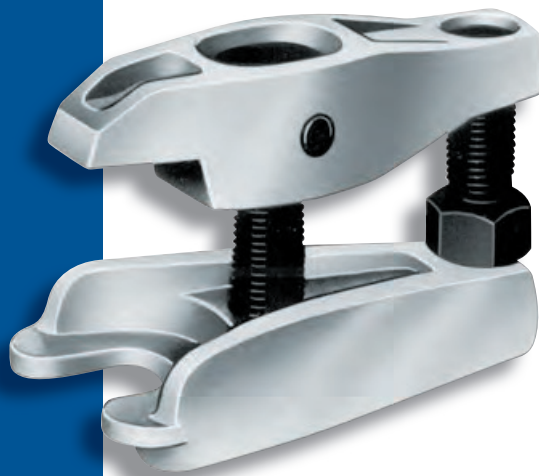


## EXTRACTOR DE ESPARRAGOS CUADRADO · SQUARE SCREW EXTRACTOR · JEU 5 ESXTRACTEURS CARRÉ

Ref.	contenido / content / contenu	
T51350	Juego 5 extractores 5 extractors set Jeu de 5 extracteurs	0,1

### COMPONENTES · SPARE PARTS · LES PIÈCES DE RECHANGE

Ref.	Ø broca Ø drill/Ø foret
T51351	1/8" (3,2 mm)
T51352	3/16" (4,8 mm)
T51353	15/64" (6 mm)
T51354	5/16" (8 mm)
T51355	3/8" (9,5 mm)



5681



5673



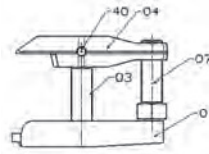
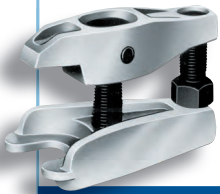
5670



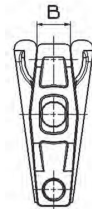
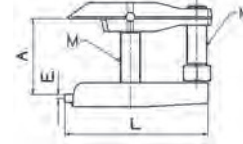
# EXTRACTORES DE RÓTULAS

BALL JOINT SEPERATORS · CHASSE ROTULE

Universal



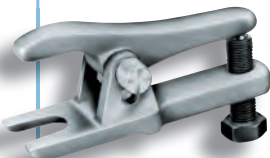
Ref.	A	ØB min	ØB max	E	L	M	⚖️
5681	50	18	22	3	100	14 x 1,5	0,7
5683	95	28	32	5	157	22 x 1,5	2,6



De 2 posiciones

2 positions

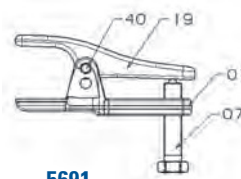
2 positions



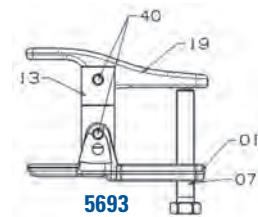
5691



5693

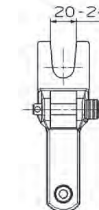
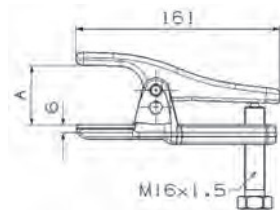


5691



5693

Ref.	Ø	A	Posiciones	⚖️
5691	20 a 24	56	2	1,5
5693	20 a 24	90	3	2,5



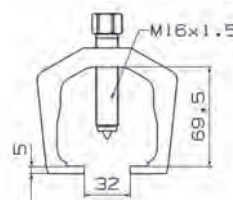
Extractores de rótulas Opel

Opel Ball joint separator

Extracteur de rotule Opel



Ref.	Cap	⚖️
5071	Opel	1



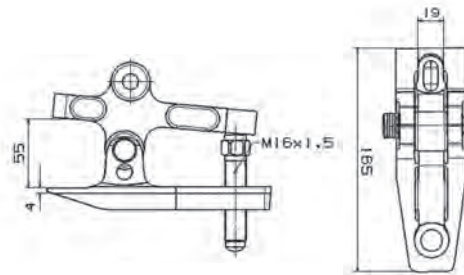
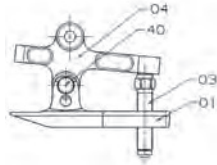
# EXTRACTORES DE RÓTULAS


BALL JOINT SEPERATORS · CHASSE ROTULE

De 4 posiciones

4 positions

4 positions

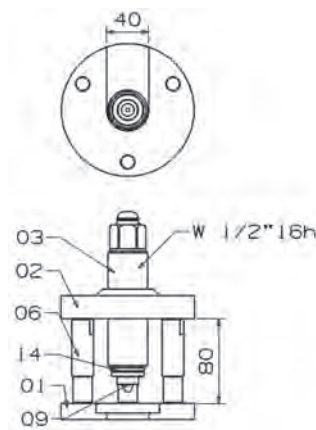


Ref.	Ø	Altura	Posiciones	
5673	hasta 19	máx. 55	4	1,5

Universal camiones

Commercial vehicles

Véhicules industriels



Ref.	Accionamiento	Ø	Altura	
5670	Manual	hasta 40	80	5,5
5670H	Hidráulico	hasta 40	80	5,5



Ref.	Accionamiento	Ø	Altura	
080700	Manual	hasta 36	70	4,4
180700	Hidráulico	hasta 36	70	2,0

## HUSILLO · SPINDLE · VIS

Ref.	
080750	Hidráulico 2,14
080711	Mecánico: M 24 x 3 0,60

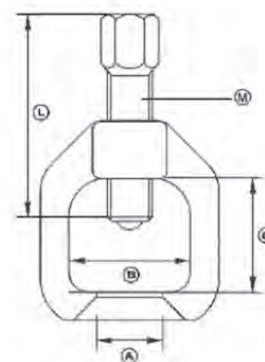
## EXTRACTORES DE RÓTULAS

Acción directa

Direct action

Action directe

BALL JOINT SEPERATORS · CHASSE ROTULE



Ref.	Abertura	Capacidad	Altura	Par Nxm	Husillo/spindle/vis		⬡	⚖
	A mm	B mm	C mm		M	L		
5651	18	40	35	50	14 x 1,5	60	17	0,4
5652	25	50	45	120	16 x 1,5	60	17	0,6
5653	29	60	55	160	18 x 1,5	70	19	0,9
5654	40	80	80	280	1/2" 14h	110	22	2,2
5655	58	80	80	320	1/2" 14h	110	22	2,1
5656	46	90	100	400	1/2" 14h	110	22	2,3

## EXTRACTORES DE VOLANTES

STEERING WHEEL PULLERS · EXTRACTEUR DE VOLANT

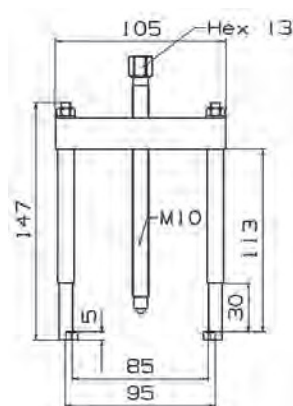


Ref.	Apertura máxima		⚖
	Maxi. Opening/Ouverture maximale		
5081	Ø 85		0,4
5082	Ø 115		0,9
5082T	5082 + 2 tornillos 3/8"16h + 2 tornillo 3/8"24h 5082 + 2 Screw 3/8"16h + 2 tornillo 3/8"24h 5082 + 2 vis 3/8"16h + 2 tornillo 3/8"24h		1,1

Extractor de volantes Opel

Opel steering wheel puller

Extracteur de volant Opel




Ref.	⚖
083500	0,6

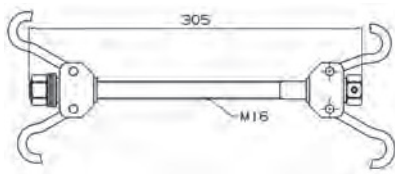
# EXTRACTORES DE MUELLES DE SUSPENSIÓN

COIL SPRING SUSPENSION · EXTRACTEUR COMPRESSEUR DE RESSORTS


De garras  
Jaws  
Griffes



Ref.	Abertura Opening/Overture	
5091	305	1,4




De brazos  
Arme type  
De bras


Ref.	Abertura Opening/Overture	
5640	200	2,6
5641	300	2,8
5642	400	3,0



Para muelles Macpherson

Ref.	Abertura Opening/Overture	Capacidad	
083800	2 Brazos / 2 arms / 2 Bras 270 mm	9000N	2,1


**Aplicaciones:**  
Audi, BMW, Fiat, Ford, Lancia, Mazda,  
Opel, Nissan, Peugeot, Renault y Volvo.

Ref.	Abertura Opening/Overture	Capacidad	
083805	3 Brazos / 3 arms / 3 Bras 270 mm	9000N	3,0



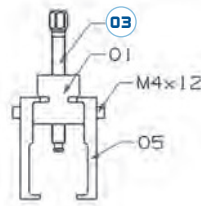
De disco



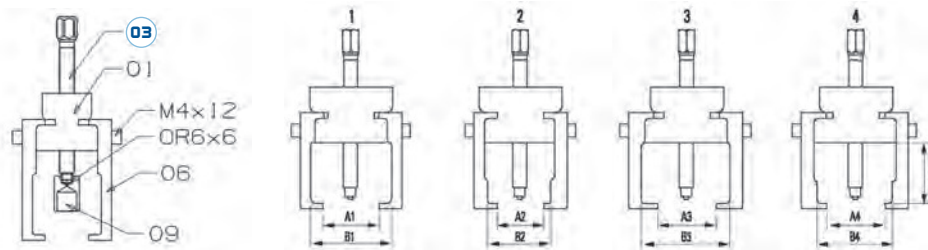
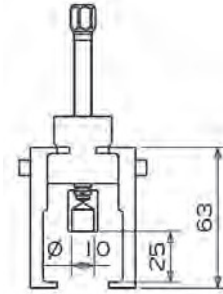
Ref.	Abertura Opening/Overture	
5092	570	4,9

# EXTRACTORES DE LIMPIAPARABRISAS

WINDSHIELD WIPER PULLER · EXTRACTEUR DE BRAS D'ESSUIS-GLACE



Ref.		1	2	3	4	h	
5701	A	17	13	23	19	31	0,22
	B	30	22	36	28		
5702	A	28	24	34	30	31	0,24
	B	41	33	47	39		

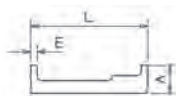


Ref.		1	2	3	4	h	
5701L	A	17	13	23	19	44	0,24
	B	30	22	36	28		
5702L	A	28	24	34	30	44	0,25
	B	41	33	47	39		



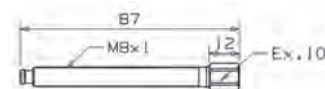
## PATA · JAW · GRIFFE

05: Corta · Short · Courte  
06: Larga · Long · Longue



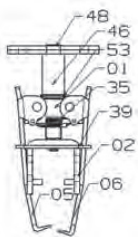
Ref.	L	A	E
570105	50	12	2,8
570106	63	12	2,8

## 03 HUSILLO · SPINDLE · VIS

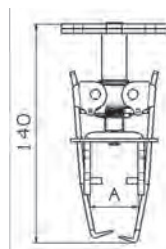


# EXTRACTOR-MONTADOR DE VÁLVULAS

MOUNTING AND DESMOUNTING VALVES · EXTRACTEUR-LÈVE SOUPAPES

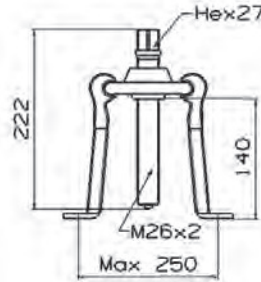
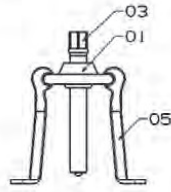


Ref.	A	
5021	20-30	0,5
5022	30-40	0,5



## EXTRACTORES DE CUBOS

HUBS PULLERS · EXTRACTEUR DE MOYEU



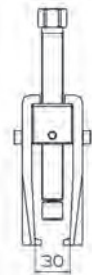
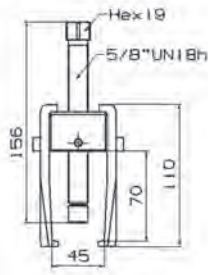
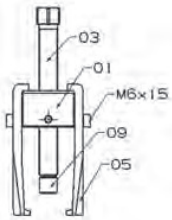
Ref.	Dimensiones	Nº de garras No. Jaws/No. Griffes	
5503	140 x 250	3 garras	3,7
5504	140 x 250	4 garras	4,2
5505	140 x 250	5 garras	4,7

Ref.	capacidad / capacity / capacité	
5640	Ø100 - Ø150	3,4



## EXTRACTOR PARA ALTERNADOR

PULLER FOR THE ALTERNATOR · EXTRACTEUR POUR ALTERNATEUR



Ref.	
5072	1,2

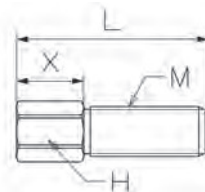
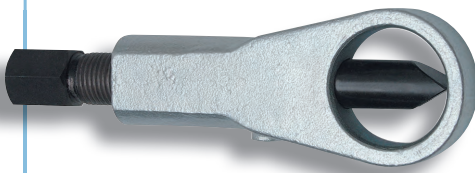
Posición 1




Posición 2



## CORTATUERCAS

NUT SPLITER · CASSE ECROU



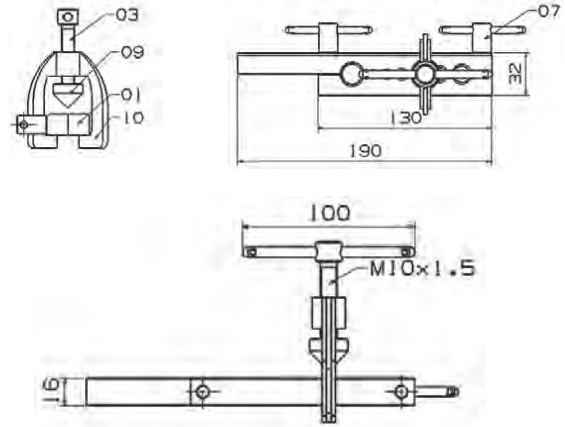
Ref.			Max Par Max Torque/Max Couple		M	L	H	X	
6311	4-17	M-10	38Nm	631105	14 x 1,5	64	17	20	0,28
6312	8-24	M-16	50Nm	631205	16 x 1,5	61	17	21	0,46
6313	19,36	M24	190Nm	631305	18 x 1,5	67	27	11	0,61

# ABOCARDADORES

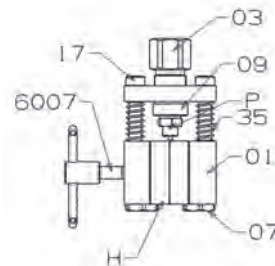
FLARING TOOLS · OUTILS A BATTRE LES COLLETS

**5060**

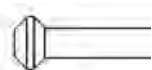
Ø tubo 4-5-6-8-10-12-15 mm



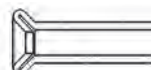
**5061**



	Ø 4.75 y 3/16"			Ø 6 y 1/4"	
	H	P1	P2	H	P1
<b>SAE Convexo</b>	47	51		60	52
<b>SAE Doble</b>	47	51	71	60	52
<b>DIN</b>	47	61		60	62



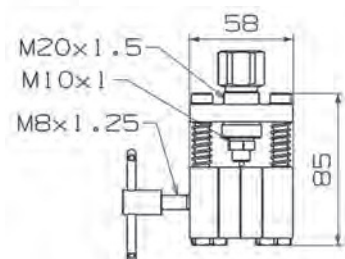
SAE Convexo



SAE Doble

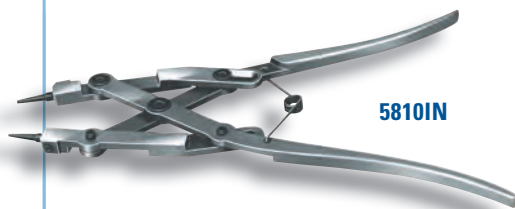


DIN

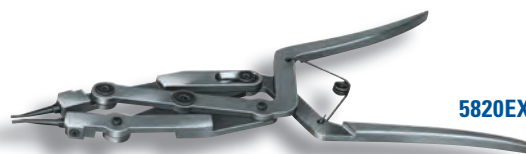


## ALICATES PARA ANILLOS SEGER

SEGER RINGS PLIERS · PINCES CIRCLIPS SEGER



5810IN



5820EX

Ref. contenido / content / contenu

5810IN

Alicate de interiores y 6 juegos de puntas rectas y curvas  
Interior pliers points and 6 sets of straight and curved points  
Pinces d'intérieur et 6 jeux de pointes droites et courbes

Ref. contenido / content / contenu

5820EX

Alicate de exteriores y 6 juegos de puntas rectas y curvas  
Exterior pliers points and 6 sets of straight and curved points  
Pinces d'extérieur et 6 jeux de pointes droites et courbes

### 5810IN

### 5820EX



Ref.	Ref.	ØP	
5811R	5811C	0,9	8-25
5812R*	5812C*	1,8	18-60
5813R	5813C	2,3	40-100
5814R	5814C	2,8	65-120



Ref.	Ref.	ØP	
5811R	5811C	0,9	8-25
5812R*	5812C*	1,8	18-60
5813R	5813C	2,3	40-100
5814R	5814C	2,8	65-120

\* Incluido en el alicate

## LIMPIADOR DE CANALES

PISTON RING CLEANER · NETTOYEUR DE GORGE DE SEGMENTS

Ref. Medidas de las cuchillas  
Blade size / Taille des lame

5040 1,5 -1,8 -2- 2,4- 2,8 -3 -3,5 -4



## SACA BORNES DE BATERIA

BATTERY TERMINAL PLIERS · PINCE ARRACHE-COSSES

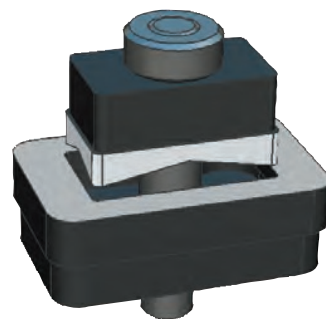
Ref. 

5050 Universal 0,5









**SERIE 54**

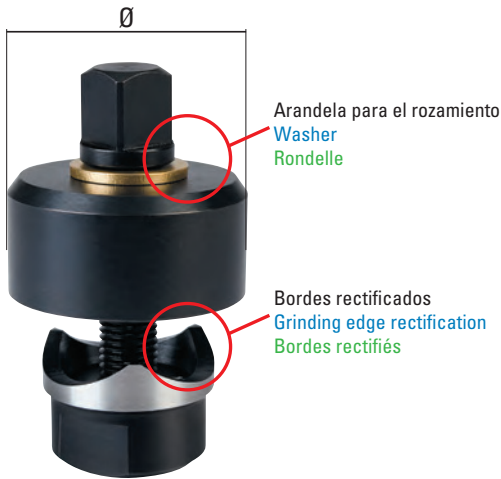


# SERIE 54

Perforadores de chapa redondos mecánico

Round knock out punches (manual)

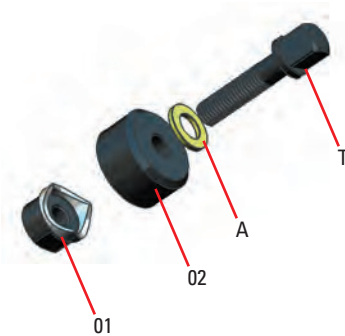
Emporte pièces round (manuel)




**Capacidad de corte:**  
2 mm en chapa de acero  
1.2 mm en acero inoxidable  
>2 mm sobre demanda

**Cutting capacity**  
2 in sheet steel  
1.2 in stainless steel  
> 2 mm upon request

**Capacité de coupe**  
2 en tôle d'acier  
1,2 en acier inoxydable  
> 2 mm à façon




Ref.	P.G	mm.		Ø	
54/13		12,7 (1/2")	0,08		
54/14	54 G 9	14	0,08	23	
54/15		15	0,09		
54/16*		16 (5/8")	0,08		
54/17	54 G 11	17	0,13	27	
54/18		18	0,11		
54/19		19 (3/4")	0,11		
54/20*	54 G 13	20	0,13	32	
54/21		21	0,14		
54/22	54 G 16	22 (7/8")	0,15	37	
54/23		23	0,23		
54/24		24	0,20		
54/25*		25 (1")	0,21		
54/26		26	0,23		
54/27		27	0,20		
54/28	54 G 21	28 (1.3/32")	0,32	42	
54/29		29	0,32		
54/30		30	0,32		
54/31		31	0,33		
54/32*	54 G 29	32 (1.1/4")	0,34	48	
54/33		33	0,34		
54/34		34 (1.11/32")	0,40		
54/35	54 G 29	35	0,46	48	
54/36		36	0,47		
54/37		37	0,46		
54/38		38 (1.1/2")	38		0,46
54/39			39		0,46
54/40*			40		0,67
54/41			41		0,67
54/42	54 G 36	42	0,73	63	
54/43		43	0,72		
54/44		44	0,75		
54/45		45	0,84		
54/46		46	0,83		
54/47		47	0,85		
54/48		48	0,86		
54/49		49	0,90		
54/50*	50	1,03			
54/51	54 G 42	51 (2")	1,00	68	
54/52		52	1,05		
54/55	54 G 48	55	1,68	74	
54/60		60 (2,3/8")	1,71		
54/63		63	1,80	77	
54/65	54 G 48	65	2,08	87	
54/70		70	2,12		
54/72		72	2,19		
54/75		75	2,20		
54/80		80	2,71		
54/85		85	3,71		
54/90		90	3,30		
54/95		95	3,44		
54/100		100	3,77		
54/105		105	4,20		
54/110	110	4,50			
54/115	115	4,72			

\*: Medida de "Nueva normativa de Tubo Rígido"

**TORNILLOS DE REPUESTO Y ARANDELAS · SCREW AND WASHER · VIS ET RONDELLES**



Ref. T		Resist. Tornillo	Ref. Arandela A
540008	M - 8 x 1,25	150 kg./mm	54000
540010	M - 10 x 1,25		54001
540012	M - 12 x 1,50		54002
540014	M - 14 x 1,50		54003
540020	M - 20 x 1,50		54004

# SERIE 54

PERFORADORES DE CHAPA REDONDOS MECÁNICO · CIRCULAR PUNCHES (MANUAL) · PERFORATEUR DE TOLE (MANUEL)

Juegos de perforadores mecánicos

Manual punches sets

Jeux perforateur de tole manuel

## JUEGO DE 4 PERFORADORES · 4 PUNCHES SETS · JEUX 4 PERFORATEURS



54 J 42

Ref.	composición / composition	⚖️
54 J 41	Ø 18-20-22-37	0,97
54 J 42	Ø 16-20-25-35	0,97
54 J 43	Ø 18-22-25-32	0,94
54 J 44	Ø 16-20-25-32	0,94
54 J 45	Ø 14-18-20-32	0,92
54 J 46	Ø 15-20-22-28	0,93
54 J 48	Ø 5/8"-3/4"-1"-1/4"	0,95
54 J 49	Ø 1/2"-3/4"-1"-1/4"	0,95

Alojamiento en el estuche de 4 perforadores  
Holes in case of 4 punches  
Trous dans le cas de 4 perforateurs

Ø ext. hembra	1	2	3	4
	23/27	27/32	32/37	42/48

## JUEGO DE PERFORADORES · PUNCHES SETS · JEUX PERFORATEURS



Ref.	composición / composition	⚖️
54 A	7 Perforadores de PG9 a PG36 + 1 ProTool Lube	2,64
54 F 1	6 Perforadores de 16, 19, 22, 29, 38, 44 + 1 ProTool Lube	3,37
54 F 3	8 Perforadores de 16, 19, 22, 29, 38, 44, 55 y 60 mm.	5,00
54 M 1	7 Perforadores de 16, 18, 20, 22, 25, 35, 40 + 1 ProTool Lube	2,30
54 M 3	9 Perforadores de 16, 18, 20, 22, 25, 35, 40, 55 y 60 mm.	4,91
54 G 00	9 Perforadores de PG9 a PG48	5,00
54 E 1*	5 Perforadores de 16, 20, 25, 32, 40 + 1 ProTool Lube	2,00
54 E 3*	7 Perforadores de 16, 20, 25, 32, 40, 50 y 63 mm.	2,00

\* Atención: Estuche para Nueva Normativa de "Tubo Rígido".

## EXPOSITOR DE PERFORADORES · PUNCHES EXHIBITOR · PERFORATEURS EXPOSANT



Ref.	cantidad / quantity / montan		Ref.	cantidad / quantity / montan	
	5499 A	5499 B		5499 A	5499 B
54/14	6	8	54/30	3	5
54 G 9	6	8	54/35	3	5
54/16	6	8	54 G 29	3	4
54/18	6	8	54/40	2	4
54 G 11	5	8	54/45	2	4
54/20	5	8	54 G 36	2	4
54 G 13	5	7	54/50	2	3
54/22	4	7	54/52	2	3
54 G 16	4	7	54/55	1	3
54/25	4	6	54/60	1	3
54/28	3	6			

# SERIE 55

PERFORADORES DE CHAPA REDONDOS MECÁNICO CON RODAMIENTOS · **ROUND KNOCK OUT PUNCHES (WITH BEARING)** · **EMPORTE PIÈCE (AVEC ROULEMENT)**



Rodamiento  
Bearing  
Roulement


Bordes rectificados  
Ground Edge  
Bords rectifié



**Capacidad de corte:**  
2 mm en chapa de acero  
1.2 mm en acero inoxidable  
>2 mm sobre demanda

**Cutting capacity**  
2 in sheet steel  
1.2 in stainless steel  
> 2 mm upon request

**Capacité de coupe**  
2 en tôle d'acier  
1,2 en acier inoxydable  
> 2 mm à façon

Ref.	mm.		
55/13	12,5		0,10
55/14	14		0,10
55/15	15	M-8	0,10
55/16	16	540108 R	0,10
54/18	18		0,10
55/20	20		0,15
55/22	22	M-10	0,15
55/23	23	540110 R	0,25
55/25	25		0,25
55/28	28		0,33
55/30	30		0,33
55/32	32	M-12	0,34
55/35	35	540112 R	0,44
55/37	37		0,44
55/40	40		0,63
55/45	45		0,83
55/47	47	M-14	0,83
55/50	50	540114 R	0,85
55/52	52		1,00
55/55	55		1,60
55/60	60		1,75
55/63	63		1,75
55/65	65		2,10
55/70	70		2,15
55/72	72		2,25
55/75	75	M-20	2,26
55/80	80	540120 R	2,76
55/85	85		2,80
55/90	90		3,27
55/95	95		3,36
55/100	100		3,55
55/115	115		7,85


## JUEGO DE 4 PERFORADORES CON RODAMIENTOS · 4 PUNCHES WITH BEARING SET · JEUX DE 4 EMPORTE PIÈCE AVEC ROULEMENT



Ref.	composición / composition	
54 JR 41	Ø 18-20-22-37	0,97
54 JR 42	Ø 16-20-25-35	0,97
54 JR 43	Ø 18-22-25-32	0,94

## TORNILLOS DE REPUESTO CON RODAMIENTO · SCREW WITH BEARING · VIS AVEC ROULEMENT



Ref.		Tornillo Screw/Vis	Rodamiento Bearing/Roulement
541108R	M-8 x 1,00	540108	5451080
540110 R	M-10 x 1,25	540110	5451100
540112 R	M-12 x 1,50	540112	5451101
540114 R	M-14 x 1,50	540114	5451102
540120 R	M-20 x 1,50	540120	5451104

# SERIE 54H


PERFORADORES DE CHAPA REDONDOS HIDRÁULICOS · HYDRAULIC CIRCULAR PUNCHES · PERFORATEUR DE TOLE HYDRAULIQUE



**Capacidad de corte:**  
2 mm en chapa de acero  
1.2 mm en acero inoxidable  
>2 mm sobre demanda

**Cutting capacity**  
2 in sheet steel  
1.2 in stainless steel  
> 2 mm upon request

**Capacité de coupe**  
2 en tôle d'acier  
1,2 en acier inoxydable  
> 2 mm à façon

Ref.	P.G	mm.	Eje	
54/13 H	54 G 11 H	12,5	Ø 8	0,08
54/14 H		14		0,08
54/15 H	54 G 9 H	15		0,08
54/16 H		16		0,08
54/17 H		17		0,08
54/18 H	54 G 11 H	18		0,08
54/19 H		19		0,09
54/20 H	54 G 13 H	20		0,08
54/21 H		21		0,13
54/22 H	54 G 16 H	22		0,13
54/23 H		23		0,18
54/24 H		24		0,18
54/25 H		25		0,18
54/26 H		26		0,18
54/27 H		27	Ø 12	0,18
54/28 H	54 G 21 H	28		0,28
54/29 H		29		0,28
54/30 H		30		0,28
54/31 H		31		0,28
54/32 H		32		0,30
54/33 H		33		0,30
54/34 H		34		0,35
54/35 H		35		0,40
54/36 H		36		0,42
54/37 H	54 G 29 H	37		0,42
54/38 H		38		0,42
54/39 H		39		0,42
54/40 H		40		0,57
54/41 H		41		0,57
54/42 H		42		0,63
54/43 H		43		0,63
54/44 H		44		0,65
54/45 H		45		0,74
54/46 H		46		0,74
54/47 H	54 G 36 H	47		0,74
54/48 H		48		0,85
54/49 H		49		0,86
54/50 H		50		0,93
54/51 H		51	Ø 20	0,90
54/52 H		52		0,95
54/55 H	54 G 42 H	55		1,42
54/60 H	54 G 48 H	60		1,15
54/63 H		63		1,54
54/65 H		65		1,82
54/70 H		70		1,86
54/72 H		72		1,93
54/75 H		75		1,94
54/80 H		80		2,45
54/85 H		85		3,15
54/90 H		90		3,04
54/95 H		95		3,18
54/100 H		100		3,51
54/105 H		105		3,70
54/110 H		110		4,00
54/ 115 H		115		4,20

# SERIE 54H

PERFORADORES DE CHAPA REDONDOS HIDRÁULICOS · HYDRAULIC PUNCHES · PERFORATEURS HYDRAULIQUE

Juegos de perforadores hidráulicos


Hydraulic punches sets

Jeux perforateur hydrauliques



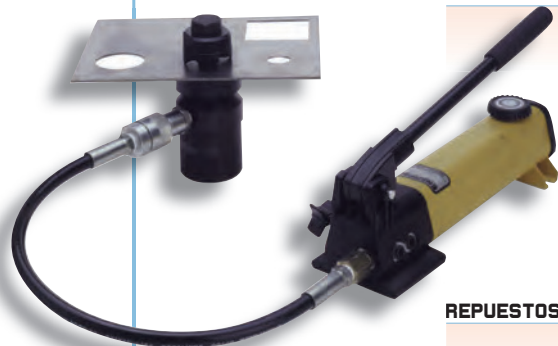
54 E 3 H


Ref.	composición / composition	
54 A H	6 Perforadores de PG11 a PG36 + 1 ProTool Lube	2,35
54 F 1 H	5 Perforadores de 19, 22, 29, 38, 44 + 1 ProTool Lube	2,08
54 F 3 H	7 Perforadores de 19, 22, 29, 38, 44, 55 y 60 mm.	4,35
54 M 1 H	6 Perforadores de 18, 20, 22, 25, 35, 40 + 1 ProTool Lube	2,01
54 M 3 H	8 Perforadores de 18, 20, 22, 25, 35, 40, 55 y 60 mm.	4,26
54 G 00 H	8 Perforadores de PG11 a PG48	4,49


Ref.	composición / composition	
54 E 1 H*	5 Perforadores de 16, 20, 25, 32, 40 + 1 ProTool Lube	1,80
54 E 3 H*	7 Perforadores de 16, 20, 25, 32, 40, 50 y 63 mm.	3,35

\* Medida de "Nueva normativa de Tubo Rígido"

## CONJUNTO HIDRÁULICO Y ACCESORIOS



Ref.		Tm.
5400 CH	6,0	8
5414 CH	7,1	14

Despiece	Ref.		Tm.
Cilindro	00941	2,1	8 del 5400 CH
Cilindro	009544	3,1	14 del 5414 CH
Bomba	009542	3,7	8-14 del 5400 y 5414 CH

## REPUESTOS · SPARE PARTS · LES PIÈCES DE RECHANGE

Ref.	denominación
54004	Arandela de 20
009053	Eje diámetro 8 (Perforador de 13 a 17)
009054	Arandela de 8
009055	Adaptador para eje de diámetro 8
009056	Arandela de 12
009057	Adaptador para eje de diámetro 12
009058	Eje diámetro 12 (Perforador de 20 a 39)
009059	Eje diámetro 20 (perforador de 40 a 100)

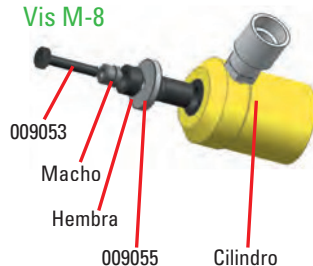
Incluidos en el conjunto 5400CH y 5414 CH

### < 54/17H

Con tornillo M-8

Screw M-8

Vis M-8

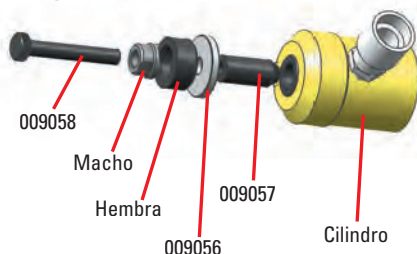


### 54/18H a 54/39H

Con tornillo M-12

Screw M-12

Vis M-12

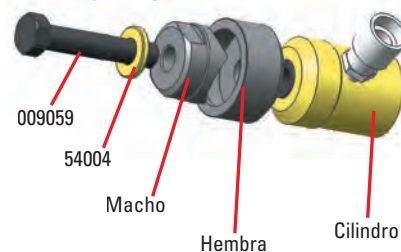


### > 54/40H

Con tornillo M-20

Screw M-20

Vis M-20



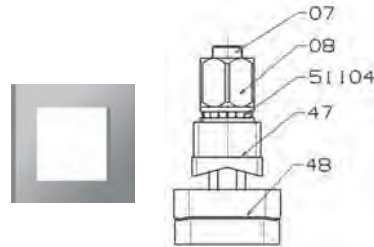
# SERIE 54

PERFORADORES DE CHAPA CUADRADOS Y RECTANGULARES · SQUARE AND RECTANGULAR KNOCK OUT PUNCHES · EMPORTE PIÈCES CARRÉS ET RECTANGULAIRE

## CUADRADOS CON RODAMIENTOS · SQUARE WITH BEARING · CARRÉS AVEC ROULEMENT




Ref.	mm.		
54 C 46 N	46 x 46		1,86
54 C 67 N	67 x 67	M-20	2,63
54 C 92 N	92 x 92		4,57



## RECTANGULARES CON RODAMIENTOS · RECTANGULAR WITH BEARING · RECTANGULAIRES AVEC ROULEMENT




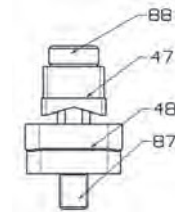
Ref.	mm.	
54R 2870	28,5 x 70	1,78
54R 4070	40 x 70	2,32
54R 4290	42 x 90	2,55
54R 5280	52 x 80	2,77



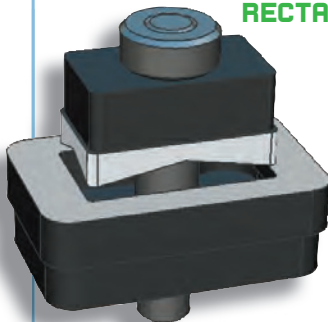
## CUADRADOS HIDRÁULICOS · HYDRAULIC SQUARE · CARRÉS HYDRAULIQUE



Ref.	mm.	Ø Eje	
54 C 46 HN	46 x 46		1,61
54 C 67 HN	67 x 67	20	2,38
54 C 92 HN	92 X 92		4,32



## RECTANGULARES HIDRÁULICOS · HYDRAULIC RECTANGULAR · RECTANGULAIRES HYDRAULIQUE



Ref.	mm.	
54R 2870 H	28,5 x 70	1,52
54R 4070 H	40 x 70	2,07
54R 4290 H	42 x 90	2,30
54R 5280 H	52 x 80	2,52



## OTROS DISEÑOS POR ENCARGO · OTHER DESIGNS ON REQUEST · AUTRES TYPES SUR DEMANDE

Solicite presupuesto, para la fabricación de perforadores a medida. Mínimo 6 unidades  
6 pieces minimum for special made quote  
Quantité minimum de 6 pour devis spécial






# SERIE 54 VAL

PERFORADORES SIN RECTIFICAR · UNGROUND ROUND KNOCK OUT PUNCHES · EMPORTE PIÈCE ROUND NON RECTIFIÉ



Ref.	Ø corte	
54 VAL 13	12,7 mm (1/2")	M8 54 V 08
54 VAL 14	14 mm	
54 VAL 15	15 mm	
54 VAL 16	16 mm (5/8")	
54 VAL 18	18 mm	
54 VAL 19	19 mm (3/4")	M 10x40 54 V 10
54 VAL 20	20 mm	
54 VAL 22	22 mm (7/8")	
54 VAL 25	25 mm (1")	
54 VAL 28	28mm (1-3/32")	
54 VAL 30	30 mm	M 12x50 54 V 12
54 VAL 32	32 mm (1-1/4")	
54 VAL 35	34 mm (1-11/32")	
54 VAL 37	35 mm	
54 VAL 38	37 mm	
54 VAL 40	38 mm (1-1/2")	M 14x60 54 V 14
54 VAL 45	40 mm	
54 VAL 47	45 mm	
54 VAL 50	47 mm	
54 VAL 51	51 mm (2")	
54 VAL 52	52 mm	M 20x80 54 V 20
54 VAL 55	55 mm	
54 VAL 60	60 mm (2-3/8")	
54 VAL 63	63 mm	



**JUEGOS DE 4 PERFORADORES · 4 PUNCHES SET ·**  
**JEU DE 4 EMPORTE PIÈCES**

Ref.	denominación
54 VK 43	18 - 22 - 25 - 32
54 VK 46	15 - 20 - 22 - 38
54 VK 48	5/8" - 3/4" - 1" - 1 1/4"
54 VK 49	1/2" - 3/4" - 1" - 1 1/4"

**TORNILLO · SCREWS · VIS**



Ref.	DIN 933 8.8
54 V 08	M-8x30
54 V 10	M-10x40
54 V 12	M-12X50
54 V 14	M-14X60
54 V 20	M-20X80



# Suministros Industriales del Tajo, S.A.

C/ Jarama 52, Polígono Industrial, 45007 Toledo (Spain)

Telf: (34) 925 23 22 00

Fax: (34) 925 23 21 47

[sitasa@sitasa.com](mailto:sitasa@sitasa.com)

[www.sitasa.com](http://www.sitasa.com)

