JMA 2006-2008

JMA

2006-2008

E Las llaves que aparecen en este catálogo son piezas JMA fabricadas por Alejandro ALTUNA S.A. o un subcontratista de éste. Están diseñadas para cilindros y cerraduras de los fabricantes cuyas marcas se indican en este catálogo.

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Dichas marcas o nombres comerciales se indican en calidad simplemente informativa con el fin de reconocer con rapidez la cerradura a la que corresponden nuestras piezas.

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Los datos referentes a los productos de este catálogo tienen carácter indicativo. Manteniendo siempre las características básicas, nos reservamos el derecho de realizar, sin previo aviso, modificaciones técnicas, estéticas o de otro tipo, por razones de evolución de los productos en cuestión.

.....

EN The keys that appear in this catalogue are JMA parts manufactured by Alejandro ALTUNA S.A. or one of its subcontractors. They are designed for cylinders and locks made by the manufacturers whose trademarks are indicated in this catalogue.

In accordance with legal requirements relating to industrial property rights, the trademarks or trade names indicated in this catalogue are the exclusive property of the manufacturers of the cylinders and locks, as well as automobile manufacturers, other constructors, distributors and users.

The aforementioned trademarks or trade names are indicated simply for information purposes so that the lock to which our parts correspond can be recognised quickly and easily.

This catalogue is for the exclusive use of professional key copiers who use JMA parts.

Data referring to the products in this catalogue are indicative in nature. Although the basic characteristics are maintained at all times, we reserve the right to make, without previous notice, any technical, aesthetic or other types of changes involved in the development of the products in question.

.....

F Les ébauches de clés reportées sur ce catalogue sont des ébauches JMA fabriquées par Alejandro ALTUNA S.A. ou un de ses sous-traitants. Elles sont destinées aux cylindres et serrures des fabricants dont les marques sont indiquées dans ce catalogue.

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.....

D Die in dem vorliegenden Katalog aufgeführten Schlüssel sind JMA-Teile, die von der Firma Alejandro ALTUNA, S.A., einem Zulieferanten von JMA, hergestellt werden. Sie sind für Zylinder und Schlösser derjenigen Hersteller entwickelt worden, deren Marken in diesem Katalog aufgeführt sind.

In Übereinstimmung mit den geltenden gesetzlichen Vorschriften bezüglich des gewerblichen Eigentums sind die im vorliegenden Katalog aufgeführten Marken und Firmennamen ausschließliches Eigentum der Zylinder- und Schloßhersteller, sowie der Automobilhersteller und anderer Konstrukteure, Vertreiber und Benutzer.

Diese Marken und Firmennamen werden nur zu Informationszwecken aufgeführt, mit dem Ziel, auf schnelle Weise zu erkennen, zu welchem Schloß unsere Teile gehören.

Dieser Katalog ist ausschließlich für Fachleute des Bereichs der Schlüsselreproduktion gedacht, die JMA-Teile verwenden.

Die Daten bezüglich der Produkte des vorliegenden Katalogs haben informativen Charakter. Bei Aufrechterhaltung der grundlegenden Eigenschaften behalten wir uns das Recht vor, aus Gründen der Entwicklung der entsprechenden Produkte und ohne Vorankündigung technische, ästhetische oder andere Änderungen vorzunehmen.

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Secondo le disposizioni legali vigenti riguardo alla proprietà industriale, le marche o le denominazioni commerciali indicate in questo catalogo sono proprietà esclusiva dei costruttori di cilindri e serrature, nonché dei costruttori di autovetture, altri costruttori, distributori ed utenti.

Tali marche o denominazioni commerciali sono indicati a titolo meramente informativo al fine di riconoscere rapidamente la serratura a cui corrispondono i nostri pezzi.

Questo catalogo è riservato esclusivamente agli addetti alla riproduzione di chiavi che impiegano pezzi JMA.

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.....

Algunos modelos que están en este nuevo catálogo podrán recibirlos tanto con la marca y la referencia JMA como con otra marca del grupo ALTUNA. // Some of the keys in this new catalogue could be received either with the JMA reference and trademark or with another trademark from the ALTUNA group. // Des ebauches de, cet catalogue pourront etre livrees soit avec la marque et reference JMA soit avec une autre marque du groupe ALTUNA. // Einige Modelle des neuen Katalogs können Sie sowohl mit der Marke und der Bezeichnung JMA erhalten, als auch mit jeder anderen Marke der Gruppe ALTUNA. // Alcuni modelli che appaiono in questo nuovo catalogo potranno essere ricevuti sia con la marca e il riferimento JMA che con un'altra marca del gruppo ALTUNA.

ÍNDICE GENERAL / GENERAL INDEX / INDEX GENERALE / GESAMTVERZEICHNIS / INDICE GENERALE

REF.	PAG.
A	
ABA-1	1
ABU-57D	1
ABU-58D	1
ABU-63	1
ABU-64P	1
ABU-65P	1
ABU-66	1
ABU-67	1
ABU-67D	1
ABU-68	1
ABU-69	1
ABU-70	1
ABU-71D	1
AGA-25	1
AGA-42	1
AGA-43	1
AGA-44	1
AGB-4	2
AGB-5	2
AGD-2	2
AKA-1PG	26
ALF- 1	2
ALF- 2	2
ALF- 3	2
ALF- 4	2
ALF- 5	2
ALF- 6	2
ALF- 7	2
ALF- 8	2
ALF- 9	2
ALF-10	2
ALF-10D	2
ALF-11D	2
ALF-12D	2
ALF-13D	2
ALF-14D	2
ALF-15	2
ALF-16	2
ALF-17	2
ALF-18	2
ALF-19	2
ALF-20	2
ALF-21	2
ALF-22D	2
ALF-23	2
ALF-24	2
ALF-25	2
ALF-26	2
ALF-27	2
ALF-28	2
ALF-29	2
ALF-30	2
ALF-31	2
ALF-32D	2
ALF-33	2
ALF-34	2
ALF-35	2

REF.	PAG.
ALF-36	2
ALP-6	2-21
ALP-6D	2-21
AMA-1	2
AMA-1D	2
AMG-10	2
ANK-65	2
AP-4D	3
AR-1D	3
ARN-1	3
ARN-2D	3
ARR-7D	3
ARR-9D	3
AS-25D	3
ASP-1D	3
AX-2P	21
AX-3DP	21
AZ-29	3
AZ-32	3
B	
BAST-4DP	3
BDA-1	3
BE-10G	26
BES- 2D	4
BES- 3D	4
BES- 4D	4
BES- 5D	4
BES- 6D	4
BES- 7D	4
BES- 8D	4
BES- 9D	4
BES-10D	4
BES-11D	4
BES-12D	4
BES-13D	4
BES-14D	4
BES-15D	4
BES-16D	4
BES-17D	4
BEY-2D	4
BK-14	4
BM-6P	21
BOG-2G	26
BRI-33	4
BSS-3	4
BSS-4D	4
BUL-1	4
BUL-2D	4
BUL-3D	4
BUL-4D	5
BUL-5D	5
BUL-6D	4
BUL-7D	5
BUR- 3	5
BUR- 9	5
BUR-10	5
BUR-14	5
BUR-17	5

REF.	PAG.
BUR-23D	5
BUR-24	5
BUR-24D	5
BUR-25D	5
BYP-1D	6
C	
C-2	6
CE-114	6
CE-117D	6
CE-118D	6
CENT-4	6
CI-13G	26
CI-14G	26
CI-51	7
CI-51D	7
CI-53	7
CI-55D	7
CI-56	7
CI-57	7
CI-58D	7
CI-59	7
CI-60	7
CI-61	7
CIF-3D	6
CIS-6D	6
CLK-1	8
CLS-1D	7
COH-1	7
COH-2	7
COH-2D	7
COH-3	7
COH-4	7
COR- 1GD	8
COR-69	8
COR-70D	8
COR-72	8
COR-73	8
COR-74	8
COR-77	8
COR-78	8
CR-17TG	26
CR-18G	27
D	
DAC-3DC1	21
DAE-3P2	21
DAF-1	8
DAF-1D	8
DAF-2	8
DAF-3D	8
DAF-4D	8
DAT- 6C1	23
DAT-15C1	23
DEK- 4	9
DEK- 6D	9
DEK- 7D	8
DEK- 8	9

REF.	PAG.
DEK- 9D	9
DEK-10	9
DEK-11	9
DEK-13	9
DEK-14D	9
DEK-1G	28
DLC-3	9
DMR-6-1	27
DMR-6-1L	27
DMR-6-2	27
DMR-6-2L	27
DMR-6-3	27
DMR-6-3L	27
DMR-6-4	27
DMR-6-4L	27
DMR-7-1	27
DMR-7-2	27
DMR-7-3	27
DMR-7-4	27
DOM-49D	9
DOM-51	9
DOM-52	9
DOM-B1	9
E	
EP-1D	10
ER-2D	10
ER-3	10
ER-4D	10
ER-5G	28
EST-5TG	28
EU-11	10
EUB-1	10
EVE-4	10
EXS-1D	10
F	
FAL-1D	10
FAL-2D	10
FAY-1D	11
FAY-1X	25
FB-38	10
FB-39	10
FB-41	10
FI-16C1	24
FM- 4TG	28
FM-20G	28
FO-24C1	21
FO-24C2	21
FTH-23	11
FTH-24	11
FTH-25	11
FTH-26D	11
FTH-27	11
FTH-28	11
FTH-29	11

ÍNDICE GENERAL / GENERAL INDEX / INDEX GENERALE / GESAMTVERZEICHNIS / INDICE GENERALE

REF.	PAG.
G	
GARD-1G	28
GDA- 1P	11
GDA- 3D	12
GDA-30D	12
GDA-50D	12
GDA-60D	12
GE-15D	11
GE-16D	11
GEA-3X	25
GEA-5D	11
GG-1D	21
GIM-1TG	28
GLA-2D	12
GM-42	21
GMT-1	11
GMT-2	11
GMT-3D	11
GMT-4D	11
GMT-5D	11
GRG-1	12
GTV-5D	12
H	
HAF-2	12
HEL-1	12
HEN-2	12
HOB-1	12
HOB-2D	13
HRM-1	12
HT-1	13
HU-HAAC1	21
HU-HAAC2	22
HU-HAAC3	24
HU-HAAC4	24
HU-NAAC2	22
HY- 4P3	22
HY-11DP1	22
HY-11DP3	22
HY-11P3	22
HY-12P3	22
I	
IF-4	13
IF-5	13
IF-6	13
IF-I51	13
IMS-13	23
IMS-13P	23
ING-M	13
IS- 1X	25
IS- 6G	29
IS-10	13
IS-15	13
IS-16D	13
ISU-3DP	22

REF.	PAG.
IT-1TG	29
IT-4G	29
J	
JGH-1D	13
K	
KAE- 1G	29
KAE-11D	13
KNA-1D	14
KYM-2	22
KYM-2D	22
KYM-2DP	22
KYM-2P	22
L	
LAP-88	14
LB-2DP	14
LB-4D	14
LCK-1X	25
LF-20D	14
LF-36	15
LF-37D	15
LF-38D	15
LF-39D	23
LF-40	14
LIP-1GD	14
LIT-7D	14
LWO-2	14
LWO-7D	14
LWO-8	14
LWO-9	14
M	
MAS-22D	15
MASL-1	15
MAZ-21DP1	23
MCM-26	15
MCM-29D	15
MER-19D	15
MER-20D	15
MER-21D	15
MERI-1D	23
MI-5D	15
MLM-6	15
MLM-7	15
MSM-1	16
MSM-2D	16
MSV-1X	25
MT-2G	29
MT-2TG	29
MTL-1D	15
MTL-1G	29
MUL-T10P	16

REF.	PAG.
O	
OJ-18P	16
OJ-19	16
OMC-5D	16
OP-11C1	22
OP-WHC1	22
P	
PEU-1C1	24
PEU-2C1	24
PFA-6	16
PFA-6D	16
PGO-2P	23
PHO-1	16
PTN- 1D	16
PTN-13TG	29
R	
RE-2	16
RE-4D	16
RE-5D	16
RIT-1D	16
RO-38	17
RO-38D	17
RO-39	17
RO-40	17
RO-40D	17
ROSE-1	17
ROY-1	17
RST-1	4
RUB-7G	30
RUB-8G	30
RUB-9G	30
S	
SAM-5G	30
SCC-1D	17
SHI-3D	17
SIA-2G	30
SIA-3G	30
SQ-5D	17
SQ-6	17
SQ-7	17
SQ-8D	17
STR-5	17
SUB-2P	23
SUZU- 7DP	23
SUZU-14P2	23
T	
TAT-1D	23
TAT-1DP	24
TAT-2D	24
TAT-2DP	24
TE -28	18

REF.	PAG.
TE -T11	18
TE -T62	18
TEI-1D	18
TIF- 2D	18
TIF-15/20	18
TIF-25D	18
TIF-30D	18
TIF-40D	18
TIF-50/60	18
TIG-1D	18
TIT-14	18
TIT-14D	18
TIT-15	19
TIT-15D	19
TIT-16D	19
TIT-17	19
TIT-18D	19
TOK-32	19
TOK-34D	19
TOYO-30P1	24
TRO-1	17
TRO-1D	17
U	
U- 5BD	19
U- 5KD	19
U- 5KI	19
U- 5QD	19
U- 5QI	19
U- 5SD	19
U- 5SI	19
U- 5SP	19
U- 6BD	19
U-15GD	19
U-15GI	19
U-17	19
U-22	20
U-22D	20
U-25	20
U-25D	20
URB-3D	20
V	
VI-14	20
W	
WIL-22	20
WIR-1	20
WM-5D	20
Y	
YA-72	20
YA-79D	20
YA-81	20

ÍNDICE POR MARCAS / INDEX MAIN / INDEX MARQUE / HAUPTMARKE / INDICE MARCA

REF.	PAG.
A	
ABA	1
ABSA	6
ABUS	1
AGA	1
AGB	2
AGC	2
AKARSAN	26
AL	2
ALFA	2
ALPHA	2-21
AMARU	2
AMIG	2
ANKER	2
APEX	3
ARMSTRONG	3
ARREGUI	3
ARROW	3
ASPA	3
ASSA	3
ATLANTIC	11
ATRA	13
AXA	21
AZBE	3
B	
BANE SEKULIC	4-20
BAODEAN	3
BASTA	3
BEST	4
BETA	26
BEY	4
BIFFAR	19
BKS	4
BODA	30
BOGATIR	26
BOULTON & PAUL	4
BRICARD	4-14
BSS	4
BULAT	4-5
BURG	5
BYP	6
C	
CAM	30
CARTERO	6
CAS CISMA	6
CENTURY	6
CES	6
CIFIAL	6
CISA	7-26
CLASSIC	7
COHNKO	7
CORBIN	8-9
CR	26-27
CRAZY LOCKS	8

REF.	PAG.
D	
DACIA	21
DAEWOO	21
DAF	8
DAR-MAR	27
DEKABA	8-9-28
DELCA	9
DOBLE G	21
DOM	9
DRAPER	20
E	
EFER	6
EP PINSON	10
ERA	10-28
ESETY	28
EURO BOX	10
EURO LOCKS	10
EUROPROFIL	12
EVERGOOD	10
EXPRES	10-11-14
F	
FAB	10
FALCON	4-10
FAYN	11-25
FEB	2-21
FIAM	28
FICHET	14-19
FTH	3-11
G	
GAMMET	11
GARDIAN	28
GE GE	2-11
GENERAL MOTORS	21
GERA	11-25
GERDA	11-12
GEVY	9
GIMAST	28
GLAZIEV	12
GR	12
GTV	12
H	
HÄFELE	12
HELIX	12
HENDERSON	12
HERME	12
HOBES	12-13
HTV	13
HUF	21-22
HYUNDAI	22

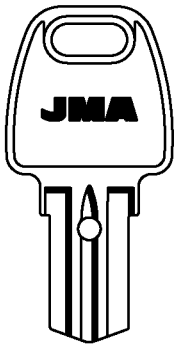
REF.	PAG.
I	
I.R.	20
IFAM	13
INGERSOLL	13
ISEO	13-25-28
ISUZU	22
ITAL	29
J	
JOWIL	12
JUNGHEINRICH	13
K	
KALE	13-29
KYMCO	22
KYNNARPS	14
L	
LAPERCHE	14
LEN-LOK	14
LIPS	14
LITTO	14
LOB	14
LOCK-IT	25
LOCKWOOD	14
LOWE & FLETCHER	14-15-23
M	
MASTER	15
MASTER LOCK	15
MAUER	8-9
MAZDA	23
MCM	15
MERIT LINDE	23
MERONI	15
METAL	15-29
MILA	15
MLM	15
MOTTURA	29
MSM	16
MSV	25
MULTLOCK	16
N	
NEMEF	6
NISSAN	23
O	
OJMAR	16
OMEC	16

ÍNDICE POR MARCAS / INDEX MAIN / INDEX MARQUE / HAUPTMARKE / INDICE MARCA

REF.	PAG.
P	
PFAFFENHAIN	16
PGO	23
PHOENIX	16
PICARDIE	19
POTENT	16-29
PZ	4
R	
REDY	14
RENZ	16
RITA	16
RONIS	17
ROSSETTI	17
ROTO	11
ROYAL	17
RST	4
RUBEN	30
S	
SAFE	23
SAM	30
SCHUCO	17
SHILUTE	17
SIAS	30
SONICO	7
SP	11
SQUIRE & S.	17
STREBOR	17
STS	9
SUBARU	23
SUZUKI	23
T	
TARONI	17
TATA	23-24
TEICOCIL	18
TESA	18
TIEFENTHAL	12
TIFON	18
TIGRIS	18
TITAN	18-19
TITUS	20
TOK WINKHAUS	19
TOYOTA	24
TRINITY	15
TRW-SIPEA	24
U	
UNIVERSAL	19-20
URBIS	20

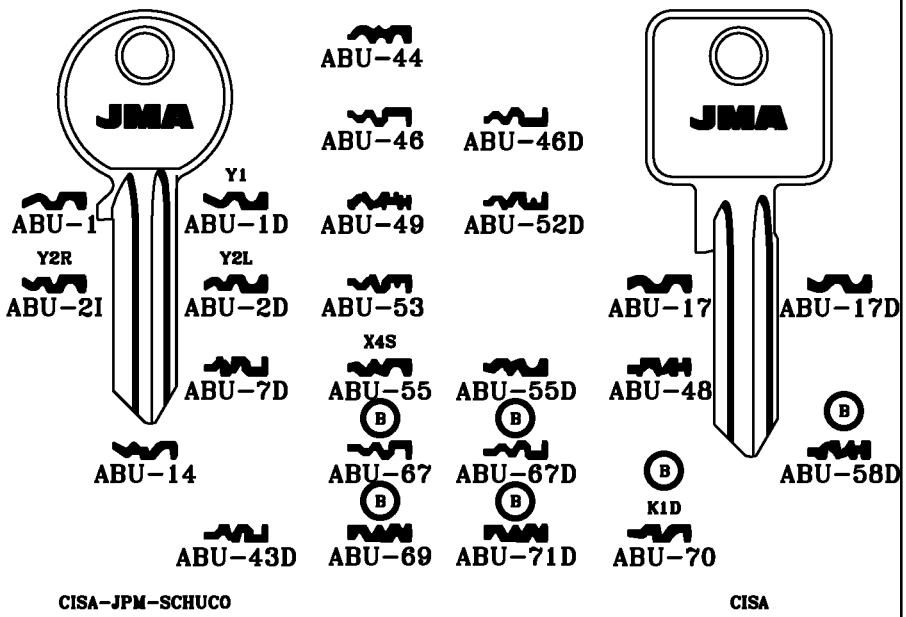
REF.	PAG.
V	
VALEO	23-24
VAUGHN	13
VIRO	20
W	
WEISER	10
WILKA	20
WIREROPE	20
WMS	20
Y	
YALE	4-20
YETI	14

PARA:
FOR: ABA



ABA-1

PARA:
FOR: ABUS



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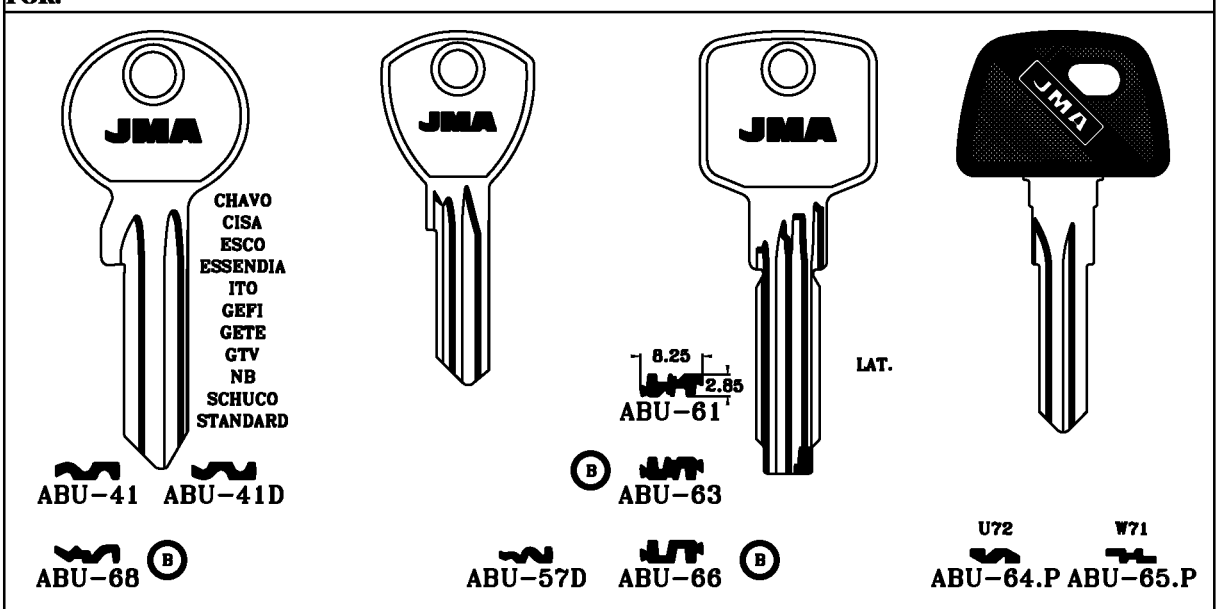

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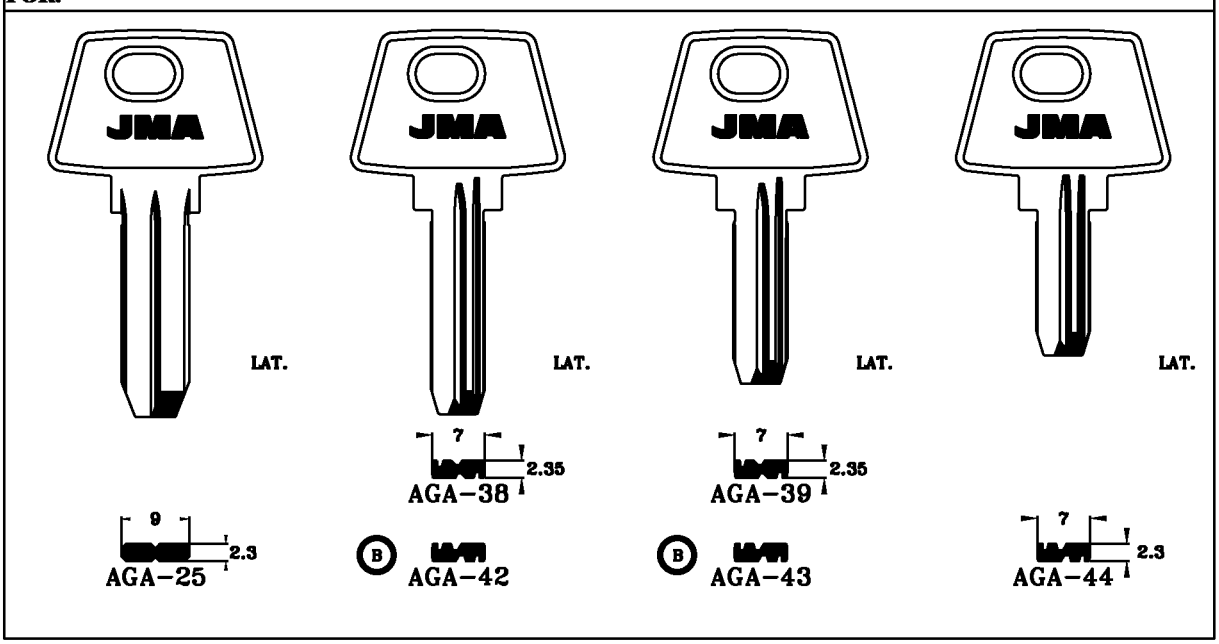
FOR: AGA



PARA-FOR:

ABA (SF)

ABUS (D)

AGA (E)

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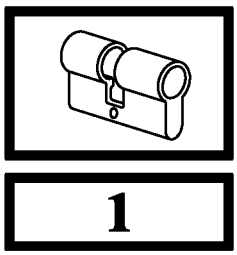


ATENCION:Concerniente a las marcas y denominaciones comerciales ver nota en indice.ATTENTION:Concerning the marks and commercial denominations see note in index.
ATTENTION:Concernant les marques et denominations commerciales voir la note dans l´index.ACHTUNG:Beziehen auf die marke und handelsname sehen sie die notiz im index.

PARA-FOR:

AGB (I)

AGC (P)

ALFA (S)

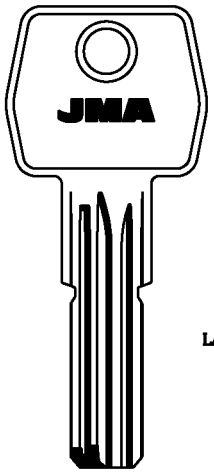
ALPHA (J)

AMARU (P)

AMIG (E)

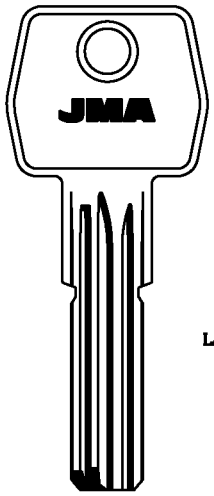
ANKER (NL)

PARA: FOR: AGB



AGB-4

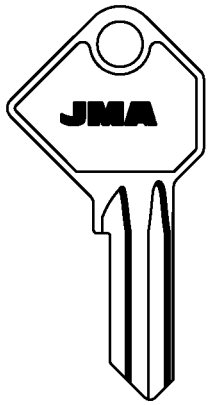
SCUDO 5000



AGB-5

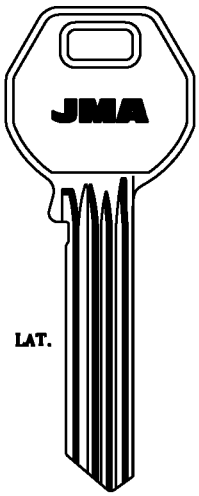
SCUDO 5000

AGC



AGD-2

PARA: FOR: ALFA



ALF-8 ALF-7 ALF-6 ALF-5 ALF-4 ALF-3 ALF-1 ALF-2

ALF-10

ALF-15 ALF-14D ALF-13D ALF-12D ALF-11D ALF-10D ALF-9

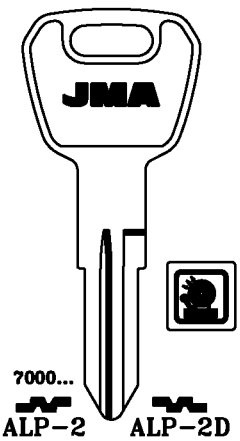
ALF-22D ALF-21 ALF-20 ALF-19 ALF-18 ALF-17 ALF-16

ALF-29 ALF-28 ALF-27 ALF-26 ALF-25 ALF-24 ALF-23

ALF-36 ALF-35 ALF-34 ALF-33 ALF-32D ALF-31 ALF-30

GE GE

PARA: FOR: ALPHA



7000...

ALP-2 ALP-2D

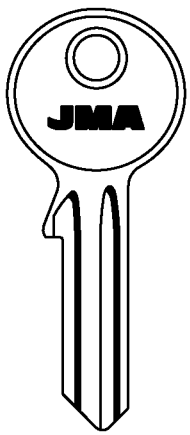
JD-LINCE-MONACOR
SANY-VISONIC

S...301-600

ALP-6 (B) ALP-6D

FEB

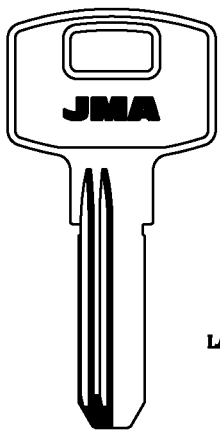
AMARU



AMA-1 AMA-1D

AL

AMIG



(B)

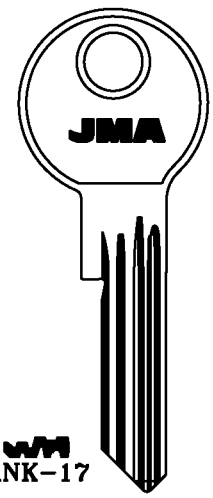
8.8

2,4

AMG-10 AMG-10D

4900

ANKER



ANK-17

ANK-65 (B)

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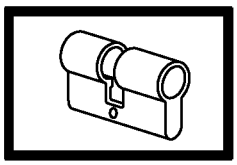
JMA



ATENCION:Concerniente a las marcas y denominaciones comerciales ver nota en indice.ATTENTION:Concerning the marks and commercial denominations see note in index.
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PARA-FOR:

APEX (RUS)

ARMSTRONG (USA)

ARREGUI (E)

ARROW (USA)

ASPA (NL)

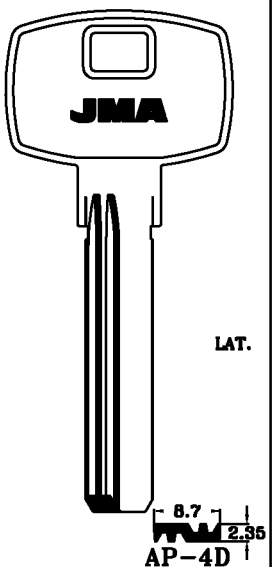
ASSA (S)

AZBE (E)

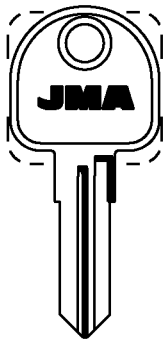
BAODEAN (TJ)

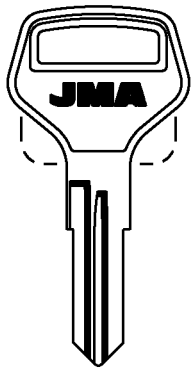
BASTA (IRL)

PARA: FOR: APEX

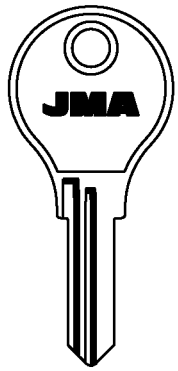


ARMSTRONG

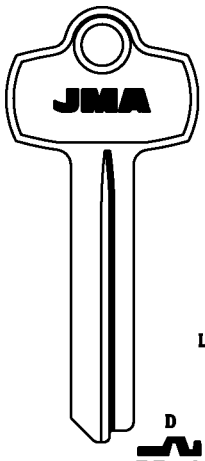




ARREGUI



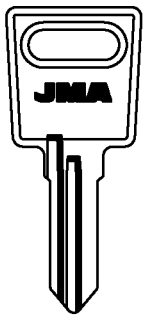
PARA: FOR: ARROW



D
ARR-7D

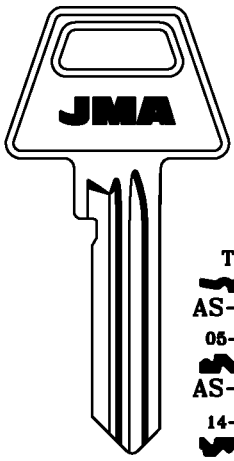
C
ARR-9D

ASPA



ASP-1D

ASSA



11-01 AS-13D

14-09 AS-8D

11-12 AS-14D

TL AS-4D

14-25 AS-9D

11-32 AS-15D

05-04 AS-5D

05-05 AS-10D

11-08 AS-16D

14-01 AS-6D

AS-11D

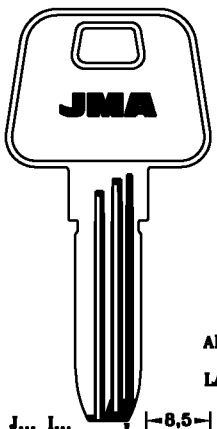
05-14 AS-18D

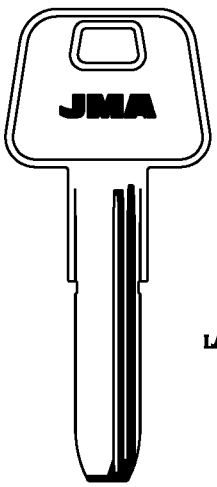
05-13 AS-7D

11-14 AS-12D

TM AS-25D (B)

PARA: FOR: AZBE



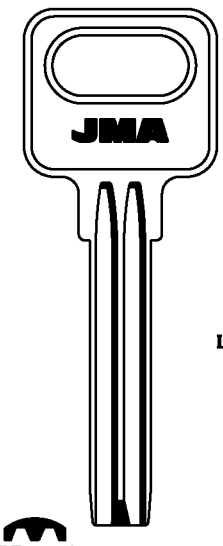


J... I...
8,5
2.35
AZ-9
AZ-9D

2... 3...
AZ-12
AZ-29 (B)
AZ-32

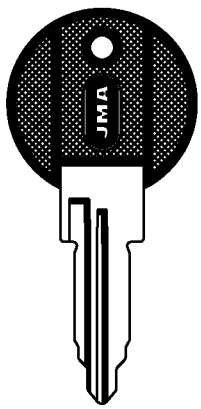
CAVERS-CENTURION-ZAIN

BAODEAN



BDA-1

BASTA



BAST-4D.P

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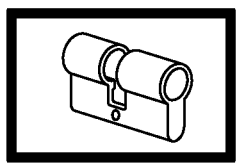

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PARA-FOR:

BEST (USA)

BEY (TR)

BKS (D)

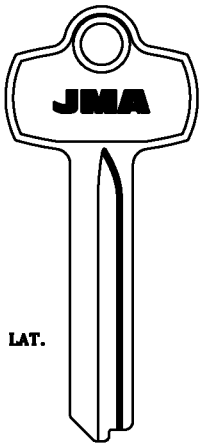
BOULTON & PAUL (GB)

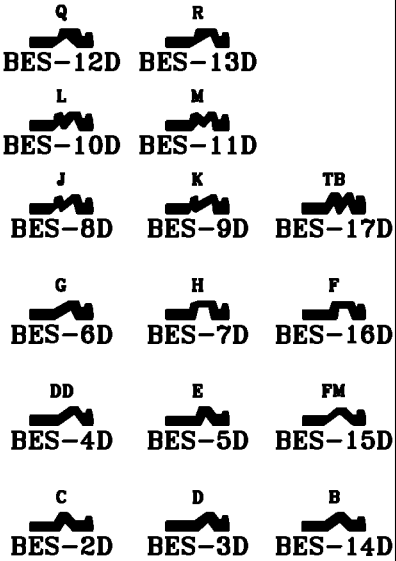
BRICARD (F)

BSS (YU)

BULAT (RUS)

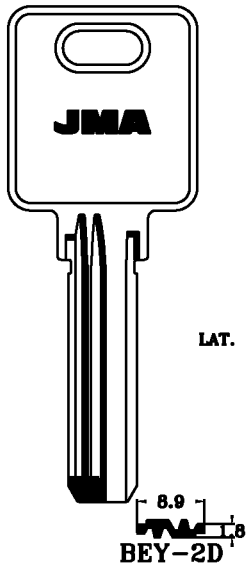
PARA: FOR: BEST





FALCON

BEY



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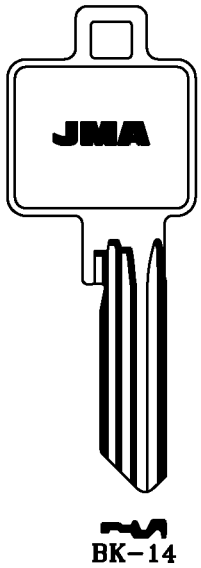

PZ-YALE

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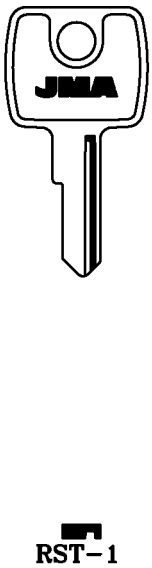
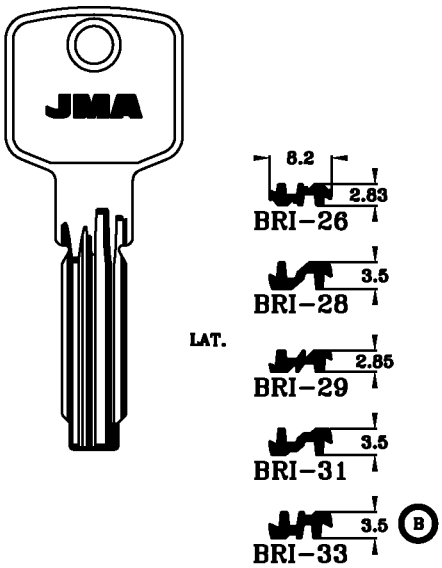
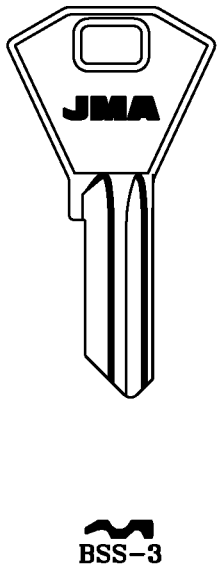


RST

BRICARD

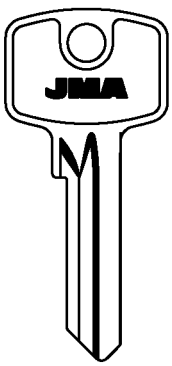


BSS



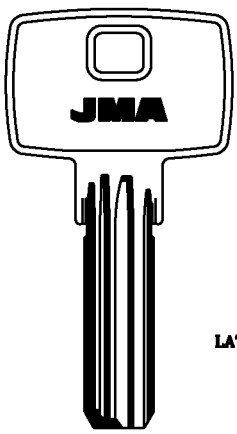
BANE SEKULIĆ

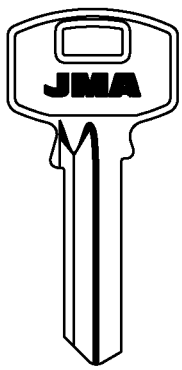
PARA: FOR: BSS

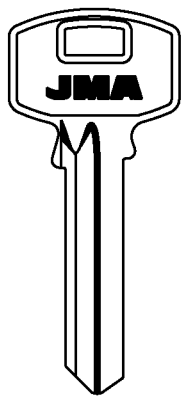


BANE SEKULIĆ

BULAT







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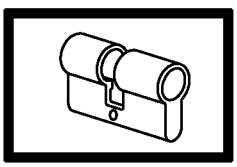
JMA



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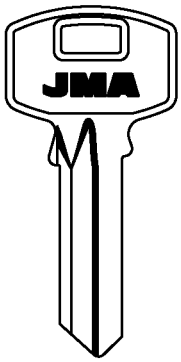
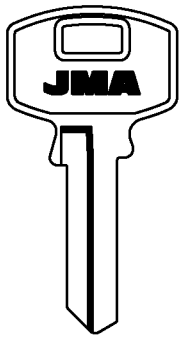
PARA:
FOR:

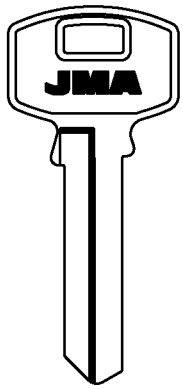
BULAT



BUL-4D



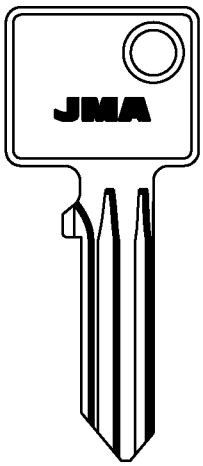
BUL-5D



BUL-7D

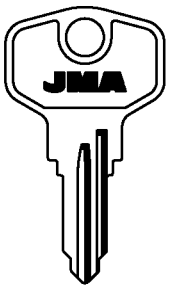
PARA:
FOR:

BURG



B

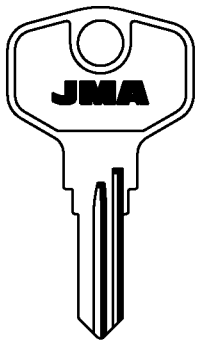
BUR-3 BUR-3D



B

BUR-9 BUR-9D

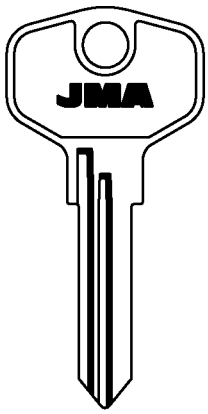
ATL-BURGWACHTER-BUVA-HEWY
DURABLE-HOPPE-RITTAL-WSM



B

BUR-10 BUR-10D

CIBOX-HOPPE-KIND-ROTO



BUR-11D

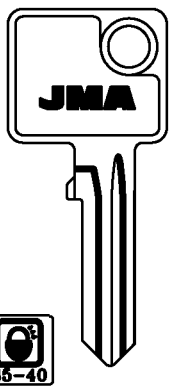
B

BUR-23D

ANKE-BURG WACHTER

PARA:
FOR:

BURG

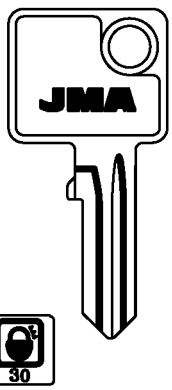


BUR-14 BUR-14D

B

222 C40

BUR-19D

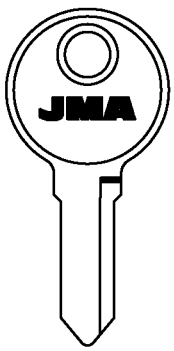


BUR-17 BUR-17D

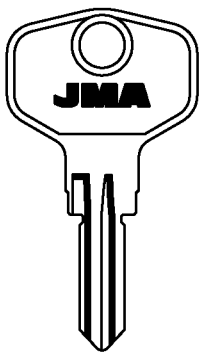
B

222 C30

BUR-20D



BUR-24 BUR-24D



BUR-25D

PARA-FOR:

BULAT (RUS)

BURG (D)

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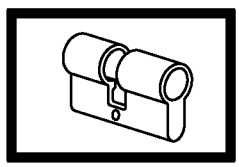
2009

JMA



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PARA-FOR:

BYP

CARTERO (E)

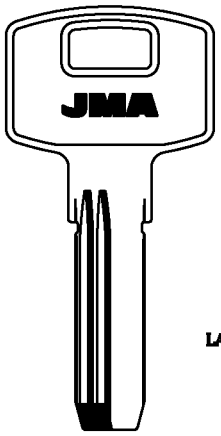
CAS-CISMA (I)

CENTURY (GB)

CES (D)

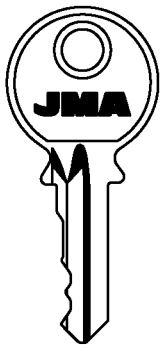
CIFIAL (P)

PARA: FOR: BYP



8.9 / 2.45
BYP-1D

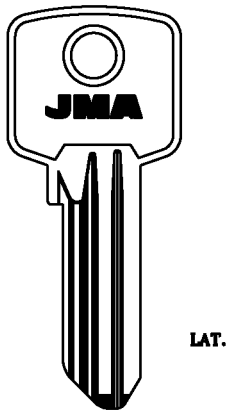
CARTERO



C-2

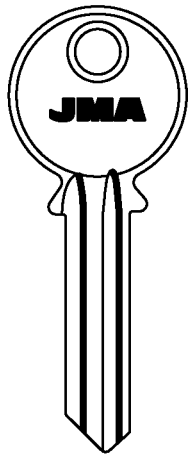
ABSA

CAS-CISMA



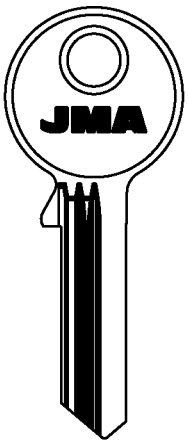
KP2
CIS-6D

CENTURY



CENT-4

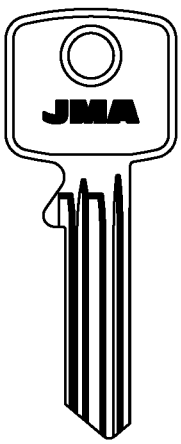
PARA: FOR: CES



X23 CE-9D	X30 CE-16D	X37 CE-23D	W24 CE-30D	W31 CE-37D	
X24 CE-10D	X31 CE-17D	X38 CE-24D	W25 CE-31D	W32 CE-38D	W38 CE-44D
X25 CE-11D	X32 CE-18D	X39 CE-25D	W26 CE-32D	W33 CE-39D	W39 CE-45D
X26 CE-12D	X33 CE-19D	X40 CE-26D	W27 CE-33D	W34 CE-40D	W40 CE-46D
X27 CE-13D	X34 CE-20D	X41 CE-27D	W28 CE-34D	W35 CE-41D	W41 CE-47D
X28 CE-14D	X35 CE-21D	X42 CE-28D	W29 CE-35D	W36 CE-42D	W42 CE-48D
X29 CE-15D	X36 CE-22D	W23 CE-29D	W30 CE-36D	W37 CE-43D	B CE-118D

SOLID

PARA: FOR: CES



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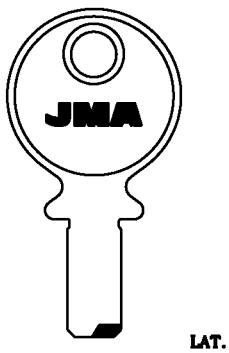
CE-111D

CE-105

CE-104D

CE-103

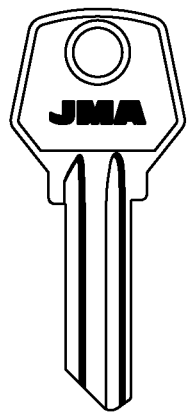
CE-102



6.9 / 2.35
CE-114

NEMEF

CIFIAL



CIF-3

B CIF-3D

EFER

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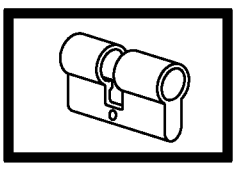
JMA



ATENCION:Concerniente a las marcas y denominaciones comerciales ver nota en indice.ATTENTION:Concerning the marks and commercial denominations see note in index.
ATTENTION:Concernant les marques et denominations commerciales voir la note dans l´index.ACHTUNG:Beziehen auf die marke und handelsname sehen sie die notiz im index.

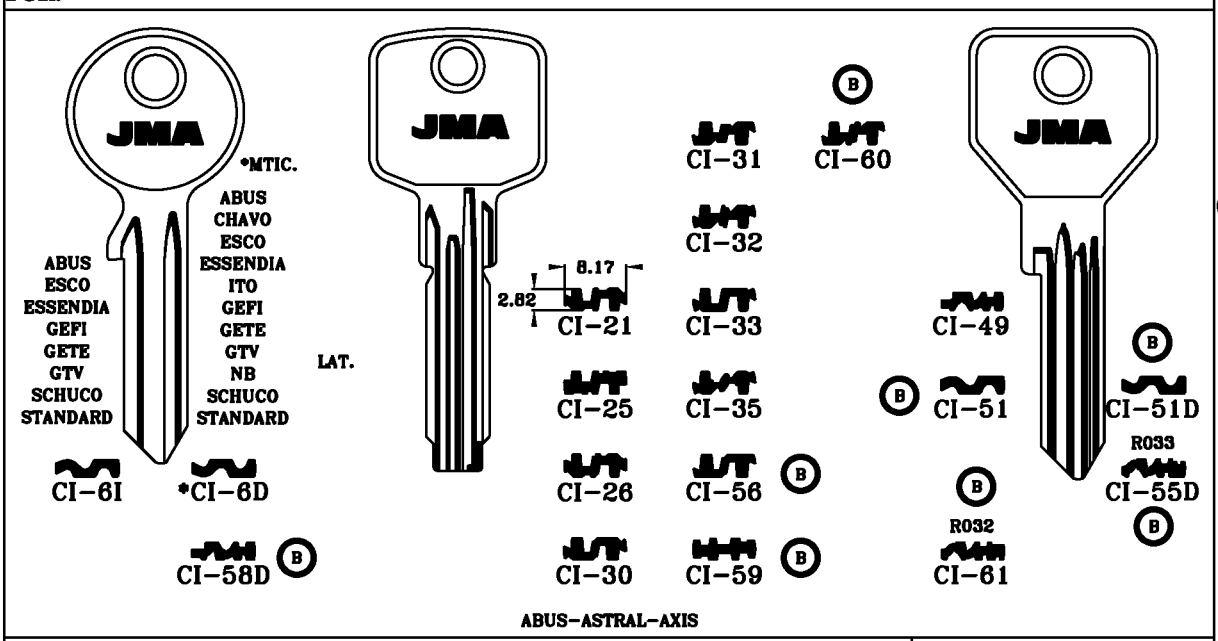
PARA-FOR:

CISA (I)

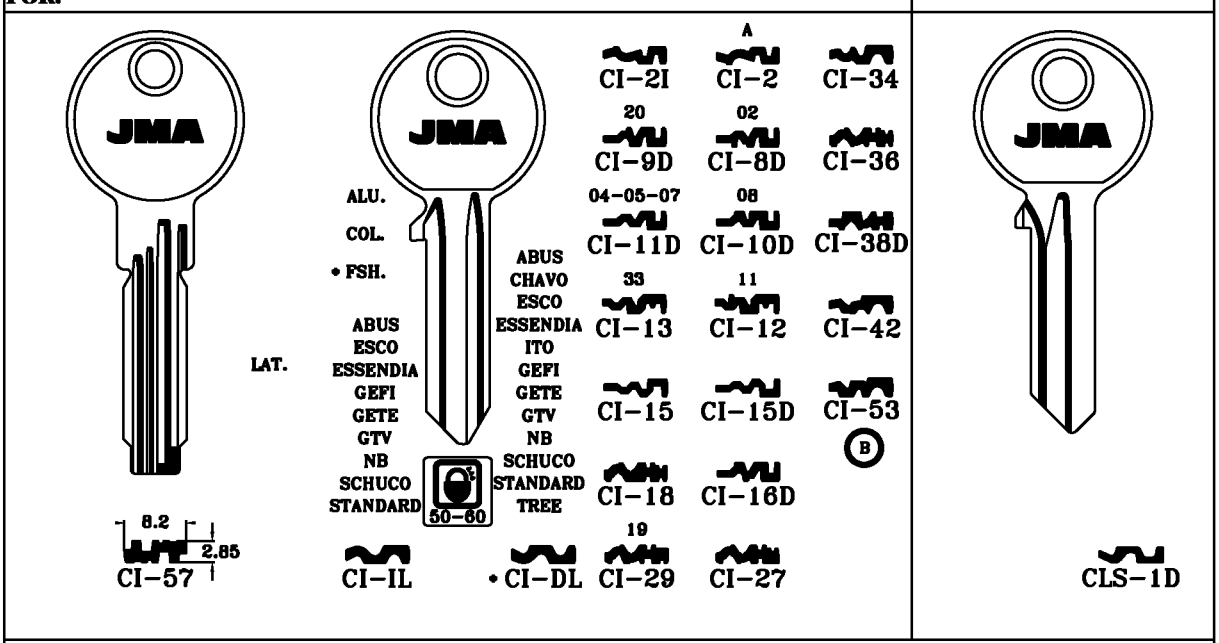
CLASSIC

СОНИКО (RUS)

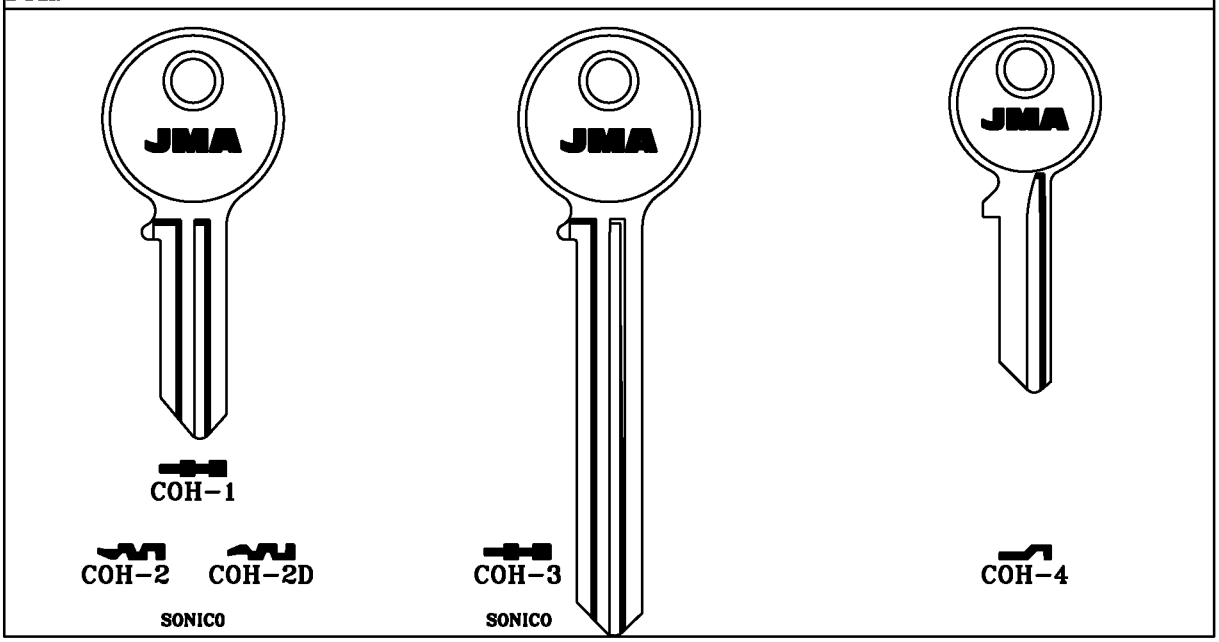
PARA: FOR: CISA



PARA: FOR: CISA / CLASSIC



PARA: FOR: СОНИКО



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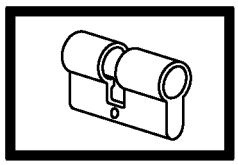

ATENCION:Concerniente a las marcas y denominaciones comerciales ver nota en indice.ATTENTION:Concerning the marks and commercial denominations see note in index.
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PARA-FOR:

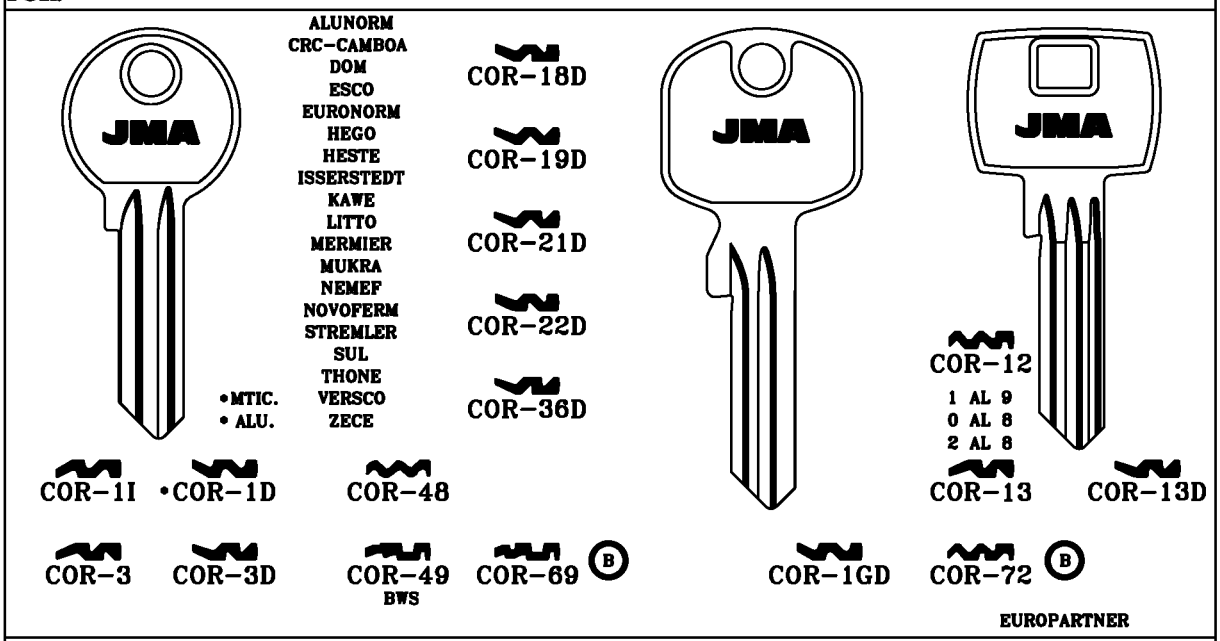
CORBIN (I)

CRAZY LOCKS (RC)

DAF (TR)

DEKABA (BG)

PARA: FOR: CORBIN



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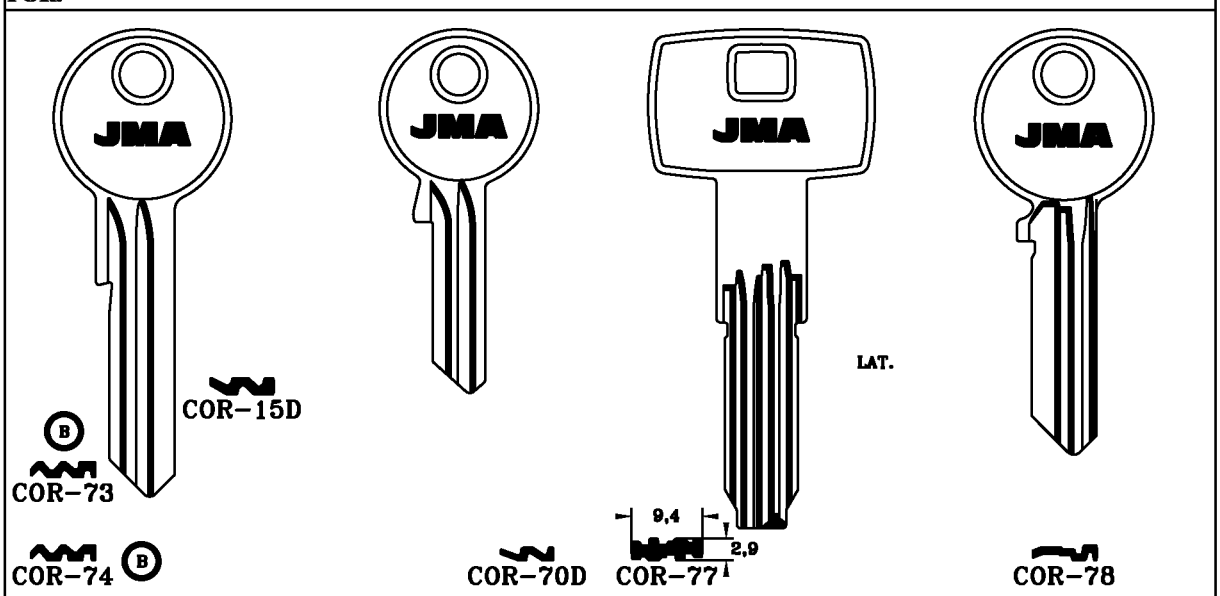

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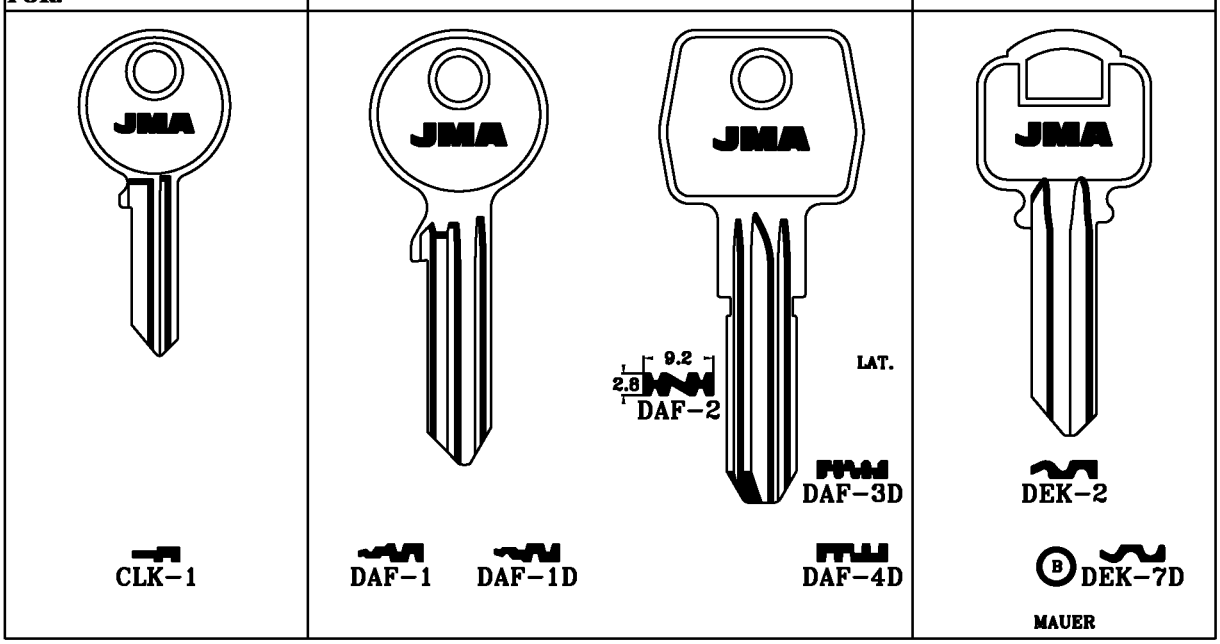

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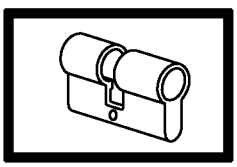

ATENCION:Conceerniente a las marcas y denominaelones comerciales ver nota en indice.ATTENTION:Concerning the marks and commercial denominations see note in index.
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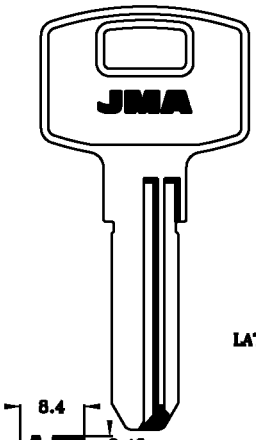
PARA-FOR:

DEKABA (BG)

DELCA (GR)

DOM (D)

PARA: / FOR: DEKABA

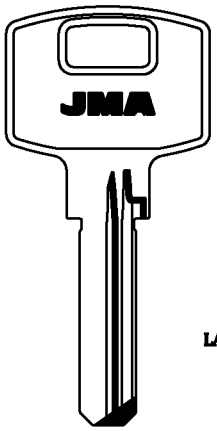


DEK-3

E2

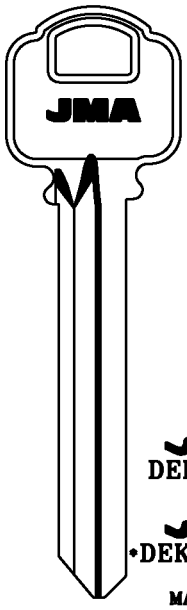
DEK-8 (B)

MAUER



DEK-4

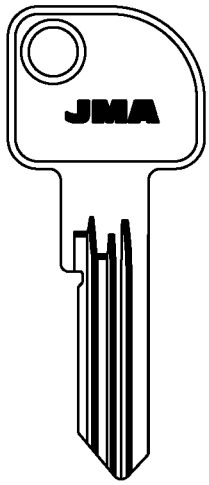
MAUER



DEK-6D

*DEK-14D

MAUER

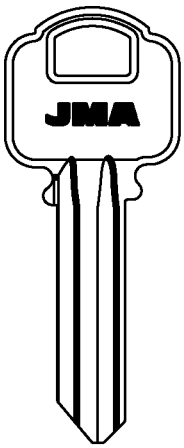


F

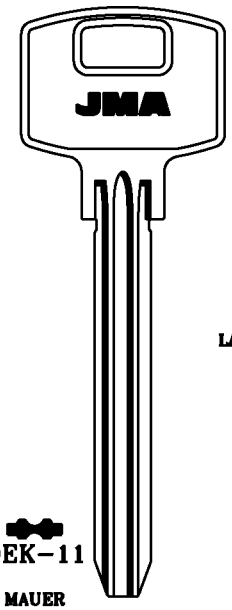
DEK-9D

MAUER

PARA: / FOR: DEKABA

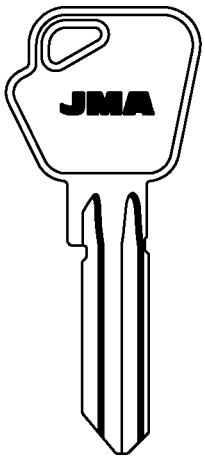


DEK-10



DEK-11

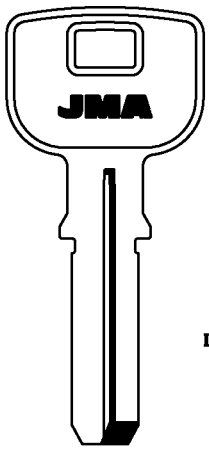
MAUER



DEK-13

MAUER

PARA: / FOR: DELCA



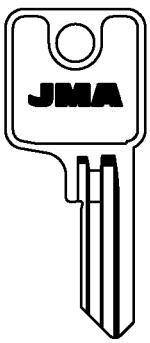
8.85

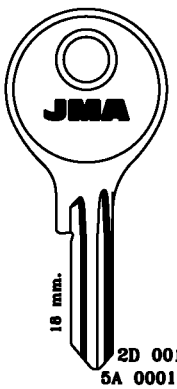
2.45

DLC-3

GEVY

PARA: / FOR: DOM





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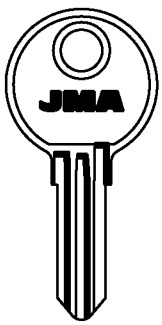
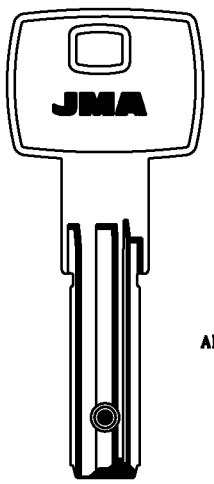
5A 0001-2600
9A 0001-5200
1D 601-654





DOM-25D

DOM-35 DOM-35D

(B) DOM-49D

DOM-51 (B)

DOM-52

9

2.5

DOM-B1

CORBIN-STS

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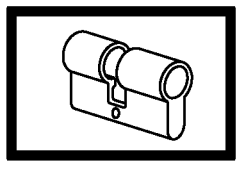
JMA



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PARA-FOR:

EP PINSON (GB)

ERA (GB)

EURO BOX

EUROLOCKS (B)

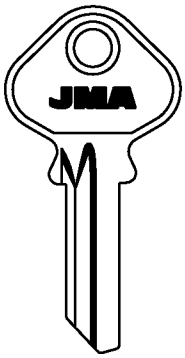
EVERGOOD (RC)

EXPRES (PL)

FAB (CZ)

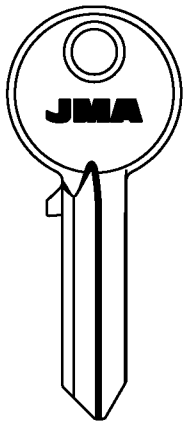
FALCON (USA)

PARA: FOR: EP PINSON



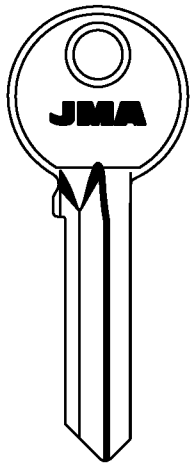
EP-1D

ERA

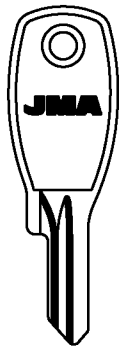


ER-1D

B ER-3



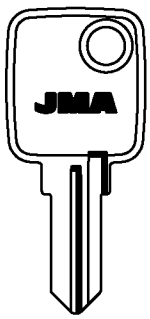
ER-2D



LAT.

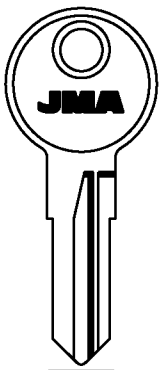
ER-4D

PARA: FOR: EURO BOX



EUB-1

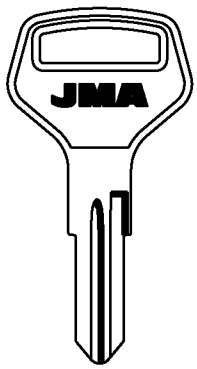
EUROLOCKS



EU-7 EU-7D

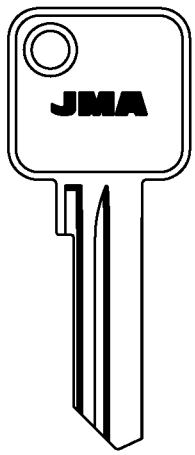
EU-11 B

EVERGOOD



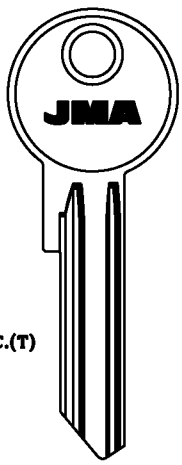
EVE-4

EXPRES



EXS-1D

PARA: FOR: FAB



• MTIC.(T)

PR22 • FB-13

PR23 FB-14

PR24 FB-15

PR26 FB-16

PR30 • FB-17

PR32 FB-18

PR20 • FB-27

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10X FB-32

12X FB-34

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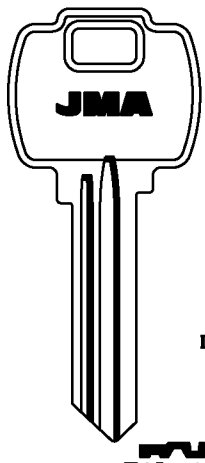
K FB-38 B

14X FB-41 B

FB-39

FALCON



LAT.

FAL-1D

FAL-2D

WEISER

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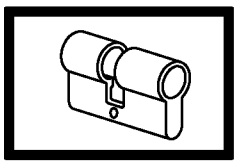
2009

JMA



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PARA-FOR:

FAYN (RC)

FTH (F)

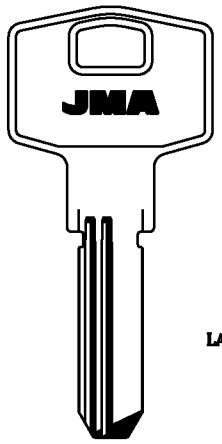
GAMMET (PL)

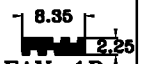
GE GE (A)

GERA (D)

GERDA (PL)

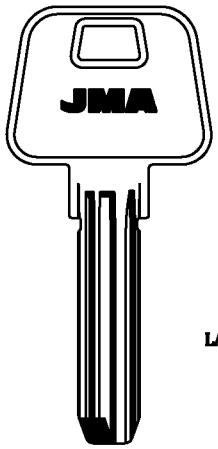
PARA: FOR: FAYN

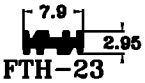




FAY-1D

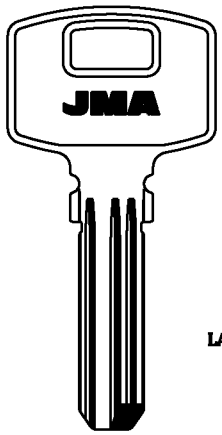
FTH

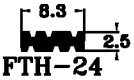




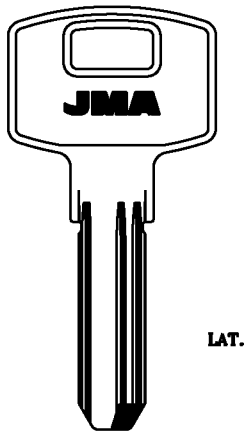
FTH-23

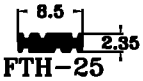
ATLANTIC





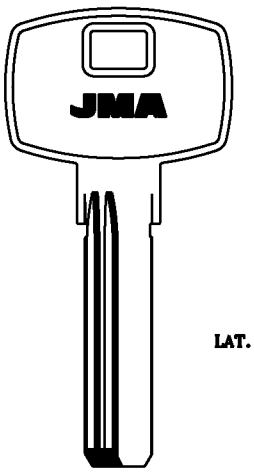
FTH-24

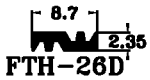




FTH-25

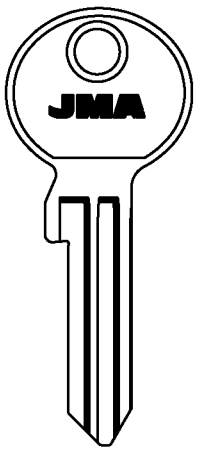
PARA: FOR: FTH





FTH-26D

SP



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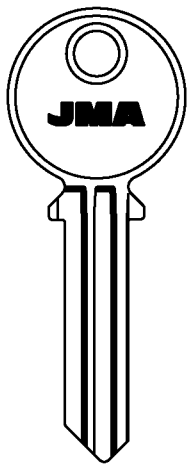

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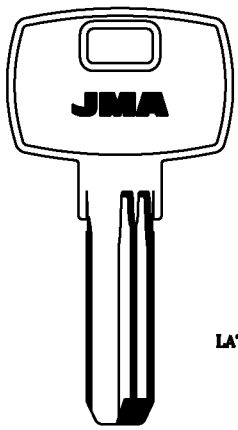
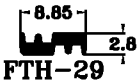
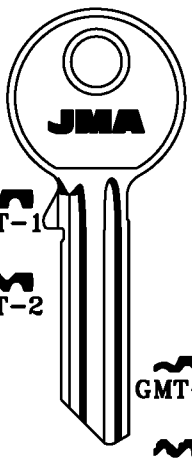




FTH-29

PARA: FOR: GAMMET



GMT-1

GMT-2

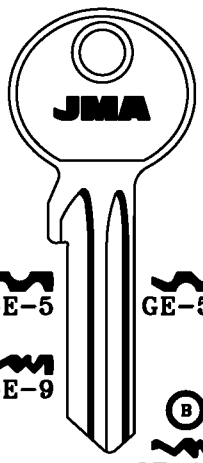
GMT-3D

GMT-4D

GMT-5D

EXPRES

GE GE



GE-5

GE-5D

GE-9

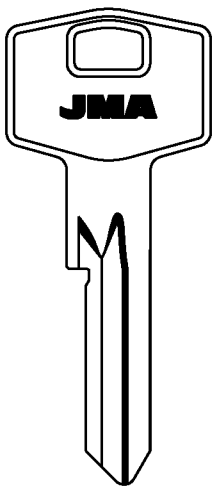
B

GE-15D

B

GE-16D

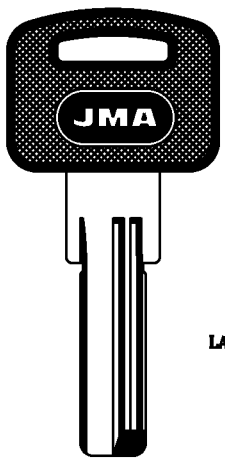
GERA

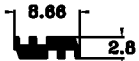


GEA-5D

ROTO

GERDA





GDA-1.P

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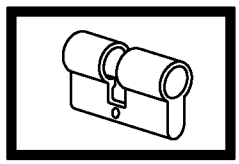
JMA



ATENCION:Concerniente a las marcas y denominaciones comerciales ver nota en indice.ATTENTION:Concerning the marks and commercial denominations see note in index.
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PARA-FOR:

GERDA (PL)

GLAZIEV (RUS)

GR (RC)

GTV (D)

HÄFELE (D)

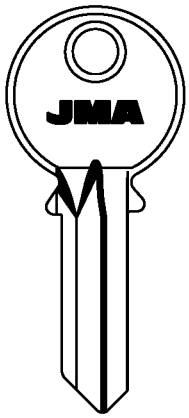
HELIX

HENDERSON (USA)

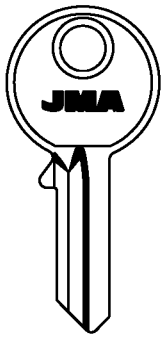
HERME (RC)

HOBES (RCZ)

PARA: FOR: GERDA



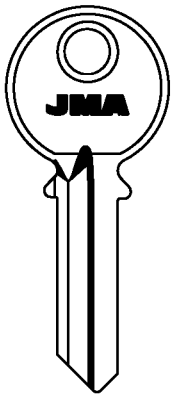
GDA-3D



30 mm.

GDA-30D

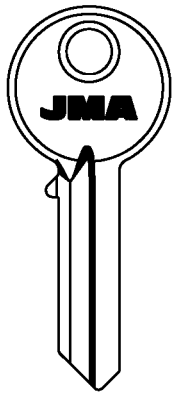
EUROPROFIL



50-60 mm.

GDA-50D

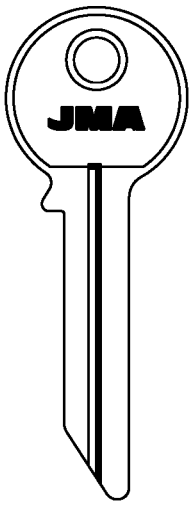
EUROPROFIL



GDA-60D

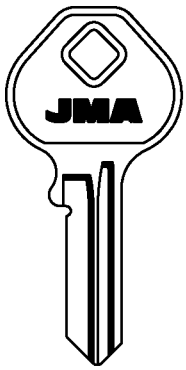
EUROPROFIL

PARA: FOR: GLAZIEV



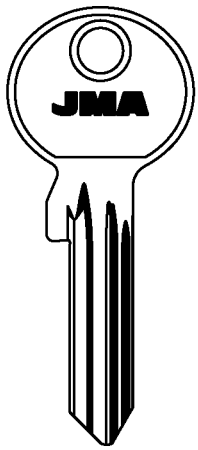
GLA-2D

GR



GRG-1

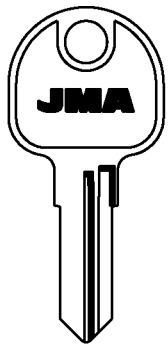
GTV



GTV-5D

JOWIL-TIEFENTHAL

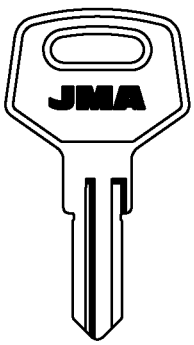
HÄFELE



B

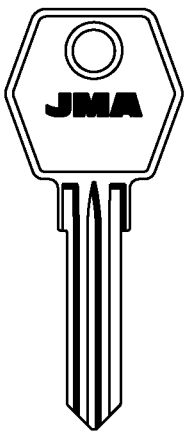
HAF-2 HAF-2D

PARA: FOR: HELIX



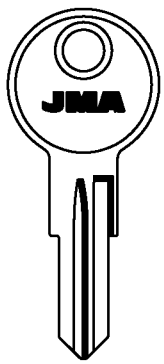
HEL-1

HENDERSON



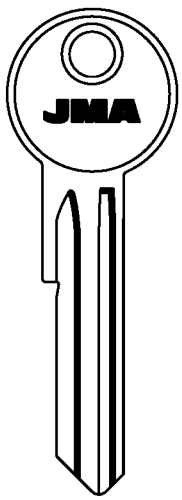
HEN-2

HERME



HRM-1

HOBES



HOB-1

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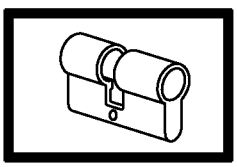
JMA



ATENCION:Coneerniente a las marcas y denominaelones comerciales ver nota en indice.ATTENTION:Concerning the marks and commercial denominations see note in index.
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PARA: FOR: HOBES	HTV	IFAM	
HOB-2D	07 HT-1 VAUGHN	ALP. 9 2.3 IF-4	IF-5

PARA: FOR: IFAM		INGERSOLL	ISEO
LAT. • ALU. • LAT. • FSH. 9,4 2,9 IF-6	IF-I50 •IF-45/55 40-50-55 •50• IF-I51 B	A 1 AL 4 ING-A B M ING-M ING-N S 1 AL 4 ING-S W ING-W	9.4 2.65 IS-10 ATRA

PARA: FOR: ISEO		JUNGHEINRICH	KALE
F3 IS-15	IS-16D	JGH-1D	LAT. 9.4 2.5 KAE-11D

PARA-FOR:

HOBES (RCZ)

HTV (GB)

IFAM (E)

INGERSOLL (USA)

ISEO (I)

JUNGHEINRICH (D)

KALE (TR)

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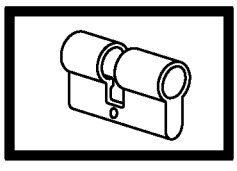

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PARA-FOR:

KYNNARPS (GB)

LAPERCHE (F)

LIPS (NL)

LITTO (B)

LOB (PL)

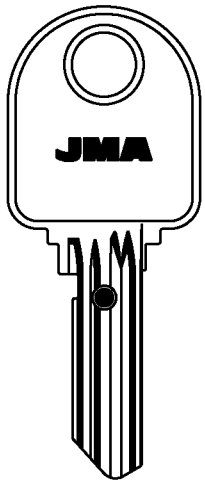
LOCKWOOD (AUS)

L. & F. (GB)

PARA: FOR: KYNNARPS

KNA-1D

LAPERCHE

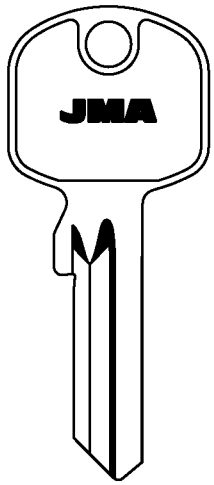


BDC

LAP-88

FICHET

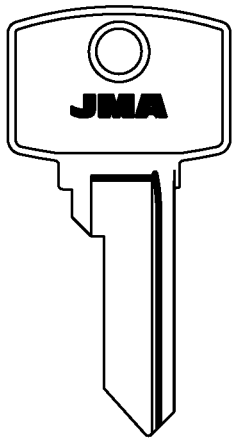
LIPS



35

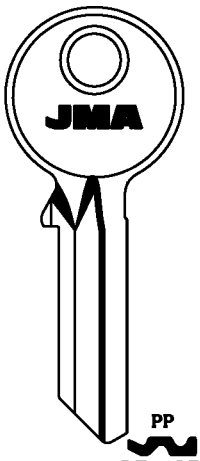
LIP-1GD

LITTO



LIT-7D

PARA: FOR: LOB

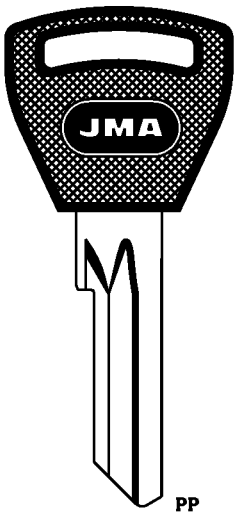


PP

LB-2D

(B) LB-4D

BRICARD-EXPRES-REDY-YETI

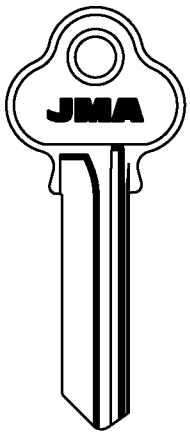


PP

LB-2D.P

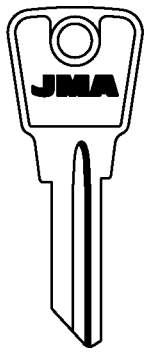
BRICARD-EXPRES-REDY-YETI

LOCKWOOD



(B) 0 AL 9 A

LWO-2 LWO-2D



24A

LWO-7D

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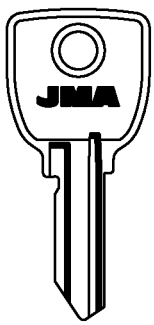
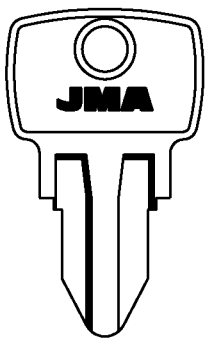


CL.. 1-1000

LWO-8

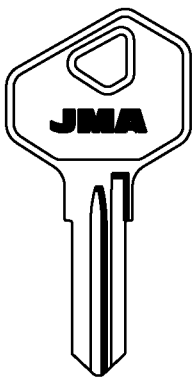


N

LWO-9

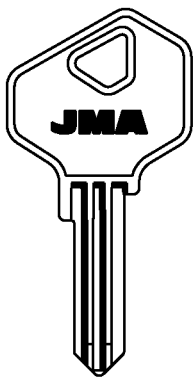
LEN-LOK

LOWE & FLETCHER



19...1-420
....17001-19000
.....7001-9000

LF-20 (B) LF-20D



V..1-88

LF-25

14001-14088

LF-40 (B)

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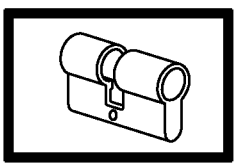
JMA



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PARA: FOR: LOWE & FLETCHER	MASTER	MASTER LOCK
LF-36 LF-37D LF-38D	7000 MAS-2D MAS-22D B	LAT. MASL-1

PARA: FOR: MCM	MERONI
B MCM-24B C MCM-24C D MCM-24D E MCM-24E F MCM-24F B MCM-26 MCM-29D	MER-19D

PARA: FOR: MERONI	METAL	MILA	MLM
CC MER-20D CD MER-21D	MTL-1 B MTL-1D	MI-5D TRINITY	MLM-6 MLM-7

PARA-FOR:

L. & F. (GB)

MASTER (USA)

MASTER LOCK (TJ)

MCM (E)

MERONI (I)

METAL (BG)

MILA (DK)

MLM (F)

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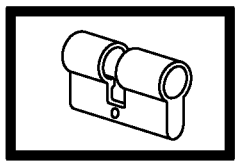

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PARA-FOR:

MSM

MUL.T.LOCK (IL)

OJMAR (E)

OMEC (I)

PFAFFENHAIN (D)

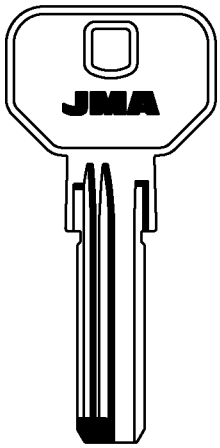
PHOENIX (GB)

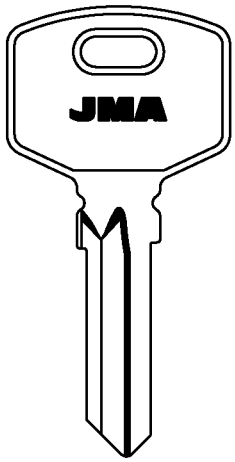
POTENT (I)

RENZ (D)

RITA

PARA: FOR: MSM

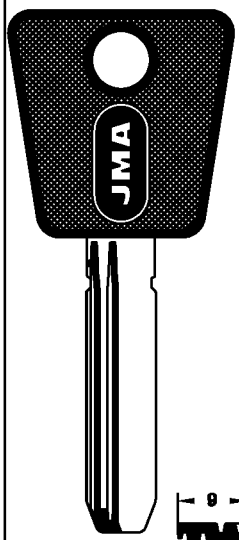




8.7 2.3
MSM-1

MSM-2D

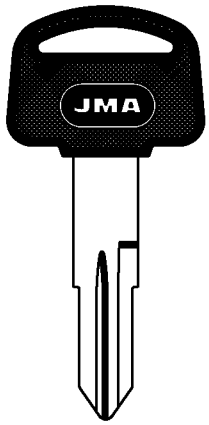
MUL.T.LOCK



ALP.

9 2.4
MUL-T10.P

OJMAR



OJ-18.P

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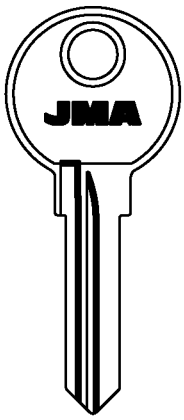
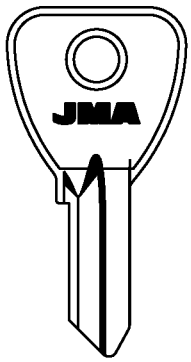


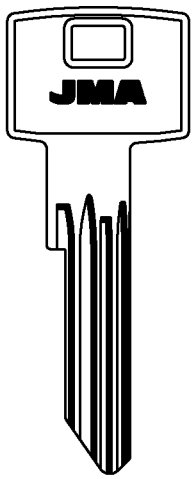
OJ-19

OMEC



OMC-5D

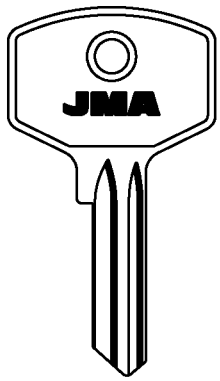
PFAFFENHAIN



PFA-6

A24
PFA-6D

PHOENIX



PHO-1

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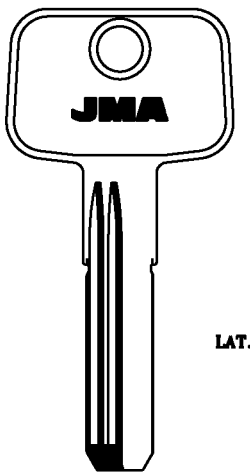
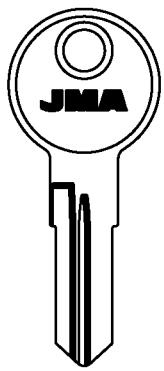


LAT.

8.8 2.4
PTN-1D

RENZ



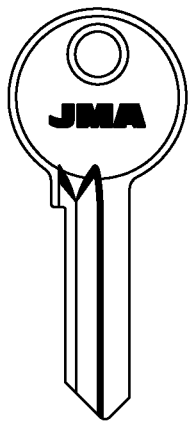
32...001-200
RE-2 (B)

RE-2D

RE-4D (B)

RE-5D

RITA



RIT-1D

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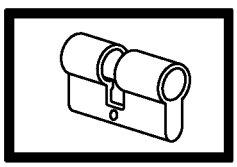
JMA



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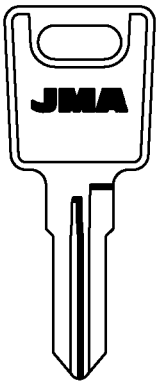
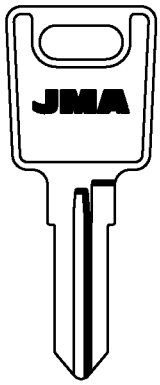
PARA:
FOR:

RONIS



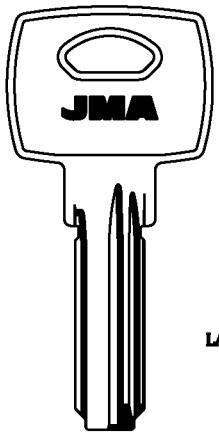


RO-37 RO-37D RO-39

RO-38 RO-38D RO-40 RO-40D

B B

ROSSETTI

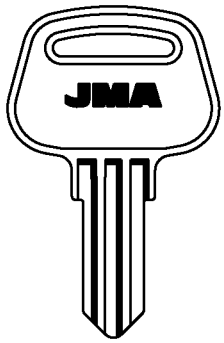


LAT.

9 2,6

ROSE-1

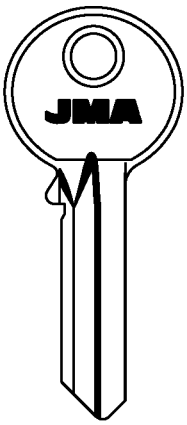
ROYAL



ROY-1

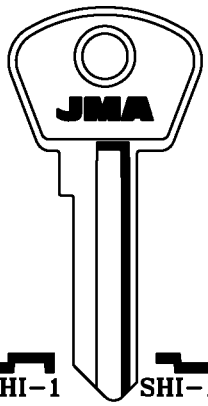
PARA:
FOR:

SCHUCO



SCC-1D

SHILUTE

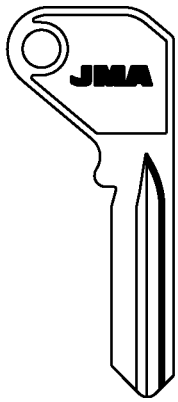


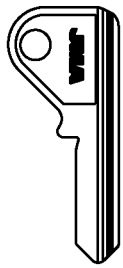
SHI-1 SHI-1D

SHI-2D

B SHI-3D

SQUIRE & SONS

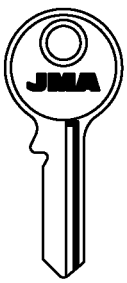


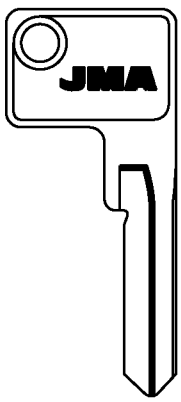


SQ-5D SQ-6

PARA:
FOR:

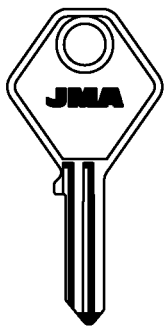
SQUIRE & SONS





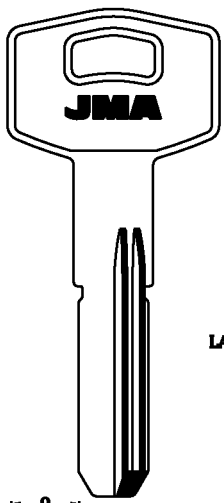
SQ-7 SQ-8D

STREBOR



STR-5

TARONI



LAT.

9 2,4

TRO-1 TRO-1D

PARA-FOR:

RONIS (F)

ROSSETTI (I)

ROYAL (RC)

SCHUCO (D)

SHILUTE (RUS)

SQUIRE & S. (GB)

STREBOR (GB)

TARONI (I)

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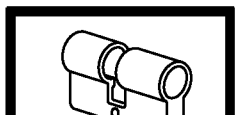

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PARA-FOR:

TEICOCIL (P)

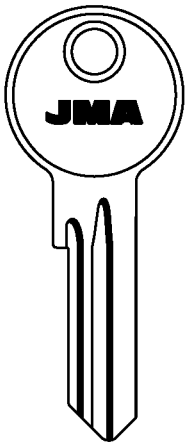
TESA (E)

TIFON (RC)

TIGRIS (GB)

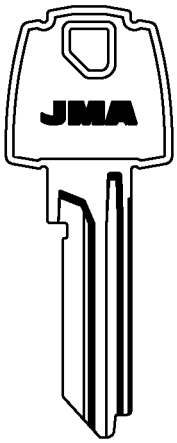
TITAN (YU)

PARA: FOR: TEICOCIL

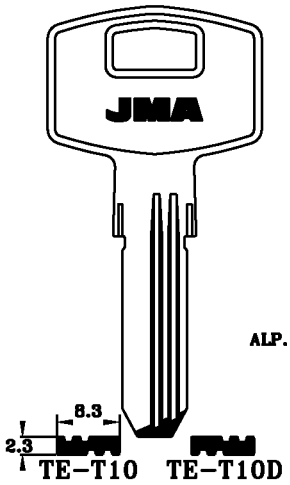


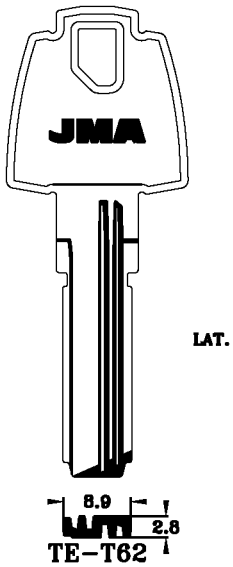
TEI-1D

TESA



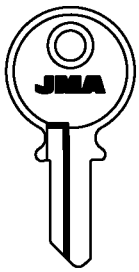
TE-28





CORNI-ELCA-ESAFE-FAC-STS

PARA: FOR: TIFON



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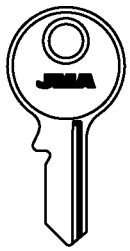

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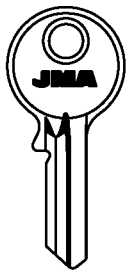

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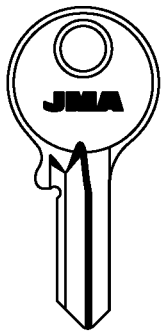

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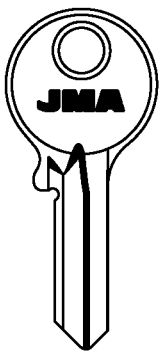
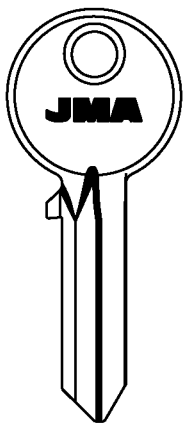


TIF-40D



TIF-50/60

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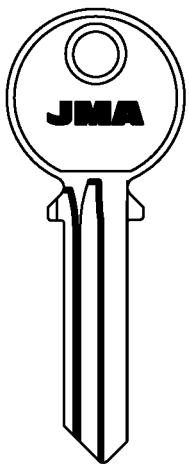
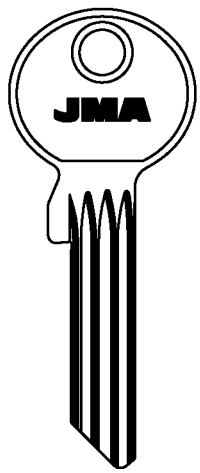


TIG-1D

TITAN



TIT-14 TIT-14D

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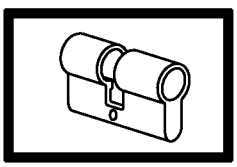
JMA



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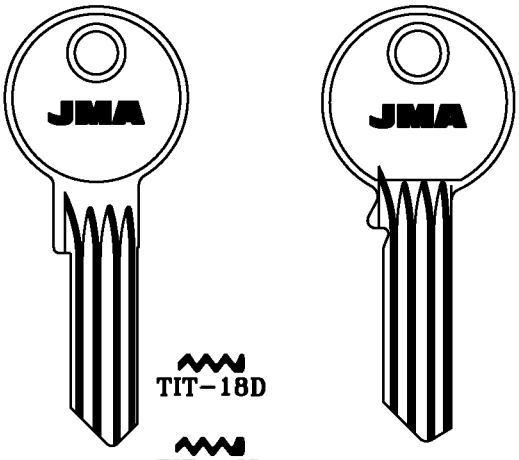
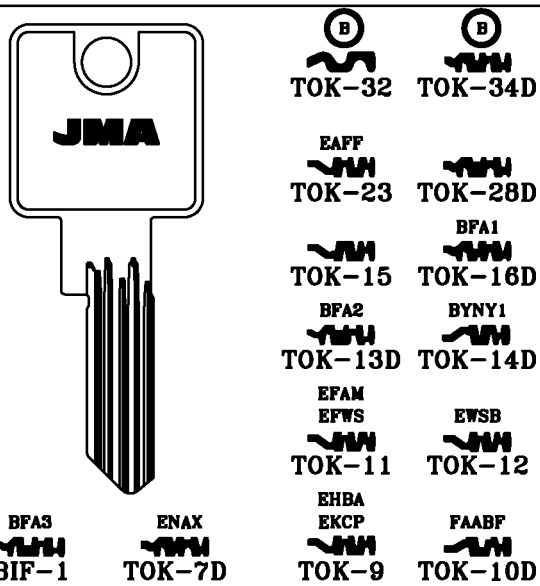
PARA:
FOR:

TITAN



PICARDIE

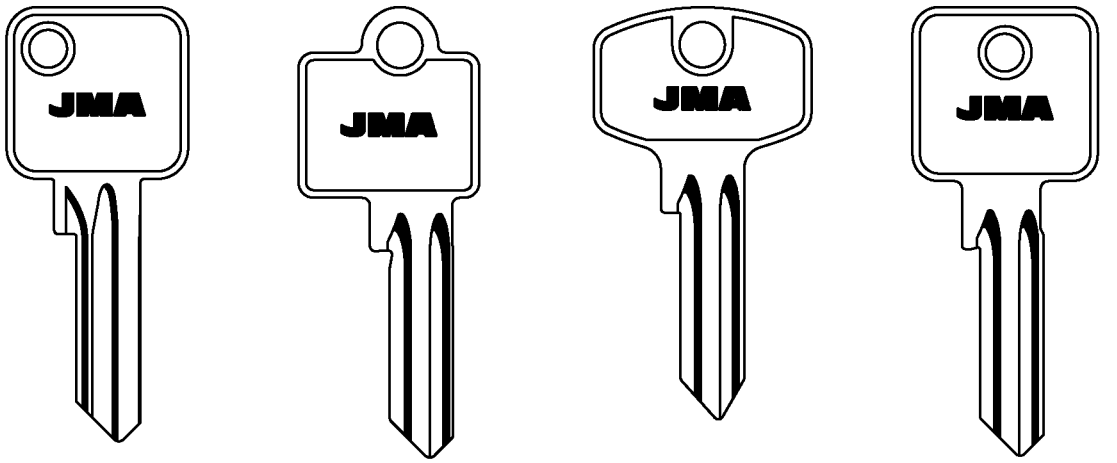
TOK WINKHAUS



FICHET-BIFFAR

PARA:
FOR:

UNIVERSAL



U-5BD U-5KI U-5KD U-5QI U-5QD U-5SI U-5SD

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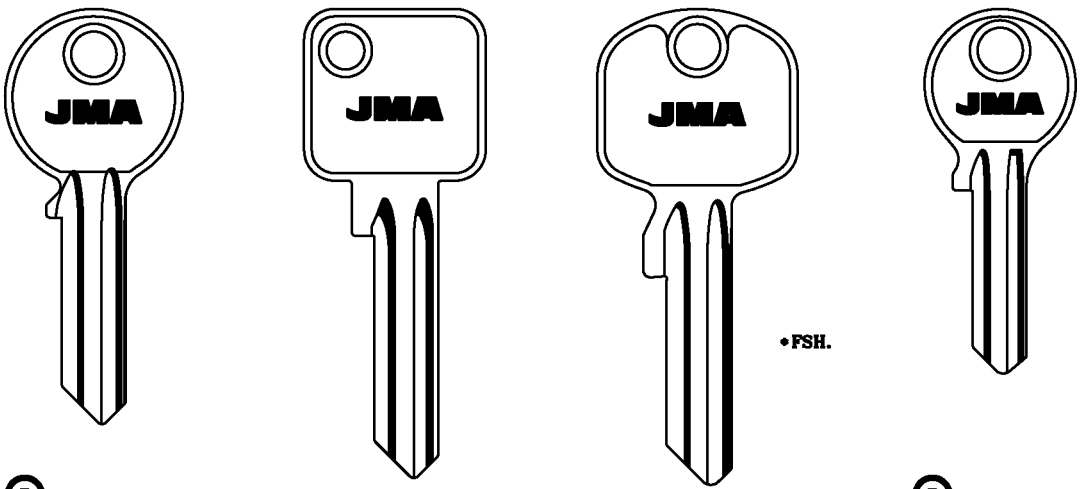
FOR:

UNIVERSAL



•FSH.

B U-5SP U-5DSP U-6BD U-15GI •U-15GD B U-17 U-17D

PARA-FOR:

TITAN (YU)

TOK WINKHAUS (D)

UNIVERSAL

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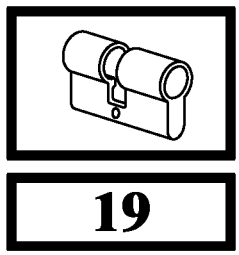
JMA



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PARA-FOR:

UNIVERSAL

URBIS (R)

VIRO (I)

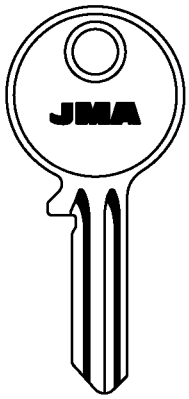
WILKA (D)

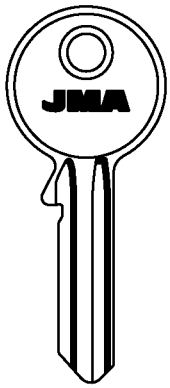
WIREROPE (HK)

WMS (GB)

YALE (D-GB-USA)

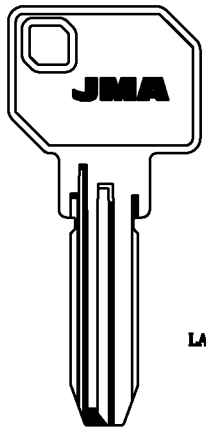
PARA: FOR: UNIVERSAL





U-22 U-22D U-25 U-25D

URBIS



8.7 2.45

URB-3D

BANE SEKULIC

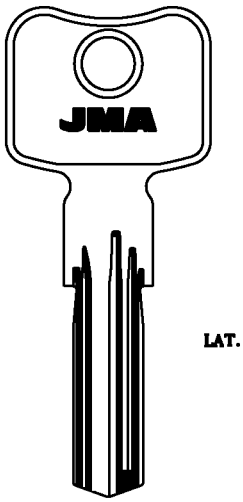
VIRO

8.75 2.9

VI-14

EURO-PRO

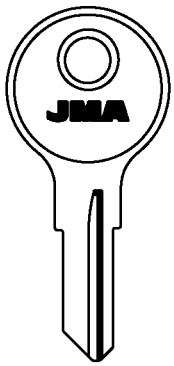
PARA: FOR: WILKA



WIL-22

SERIE 3600

WIREROPE



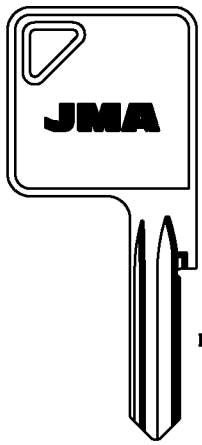
WIR-1

WMS

WM-5D

I.R.-TITUS

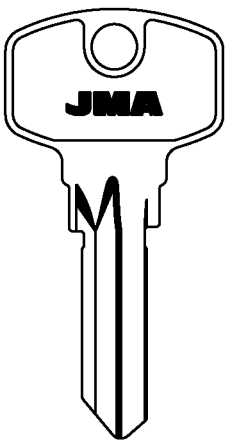
YALE

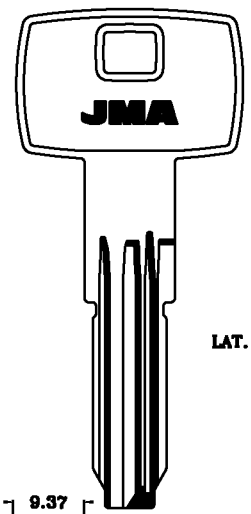


YA-72

DRAPER

PARA: FOR: YALE





YA-79D

9.37 2.65

YA-81

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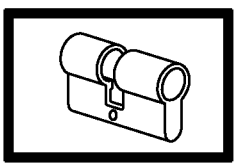
JMA



ATENCION:Conceerniente a las marcas y denominaelones comerciales ver nota en indice.ATTENTION:Concerning the marks and commercial denominations see note in index.
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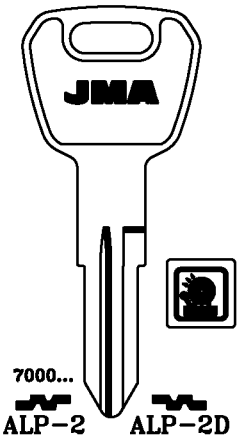
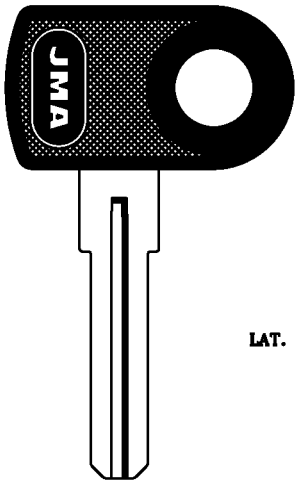
PARA:
FOR: ALPHA



7000...
ALP-2 ALP-2D
JD-LINCE-MONACOR
SANY-VISONIC
S...301-600
ALP-6 B ALP-6D
FEB

AXA



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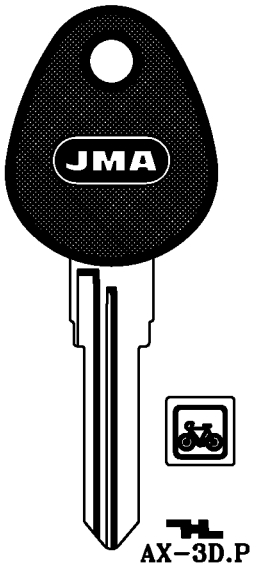

AX-2.P AX-3D.P

DACIA

DAC-3DC1

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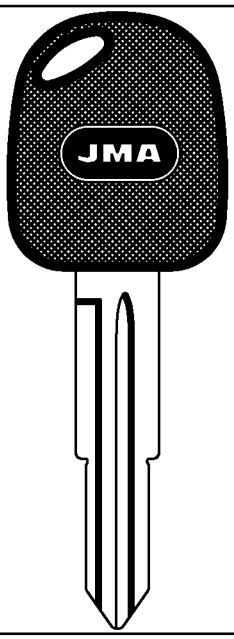
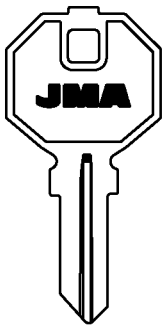
FOR: DAEWOO



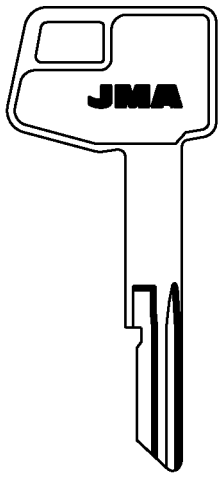
B
DAE-3.P2
J....
1-1200
DAE-3D.P2

DOBLE G



GG-1D

G.M.



0000-1999
GM-42

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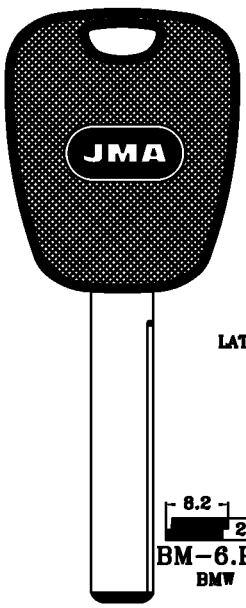
FOR: HUF



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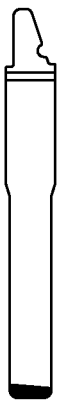
ALP.



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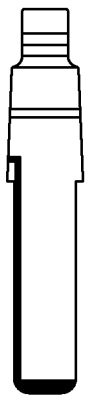

ALP.

8.2
2.95
BM-6.P
BMW

FO-24C1 FO-24C2 HU-HAAC1

PARA-FOR:

ALPHA (J)

AXA (S)

DACIA (R)

DAEWOO (K)

DOBLE G (ARG)

G.M. (USA)

HUF (D)

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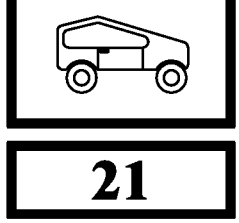
JMA



ATENCION:Concerniente a las marcas y denominaciones comerciales ver nota en indice.ATTENTION:Concerning the marks and commercial denominations see note in index.
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PARA-FOR:

HUF (D)

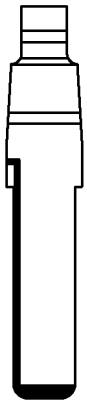
HYUNDAI (K)

ISUZU (J)

KYMCO (K)

PARA:
FOR:

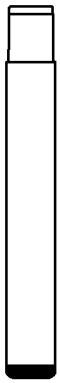
HUF



ALP.

HU-HAAC2

HU-NAAC2



ALP.

Z....1-2000
Z....2001-4000
Z....4001-6000

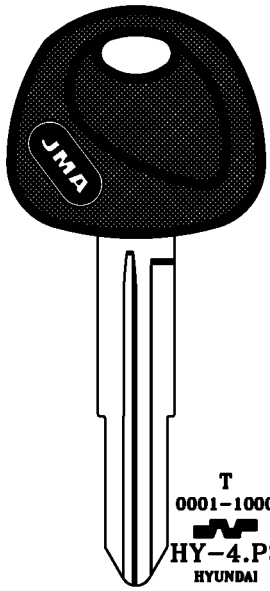
OP-11C1

ALP.

H....
WH....
0001-3000

OP-WHC1

HYUNDAI

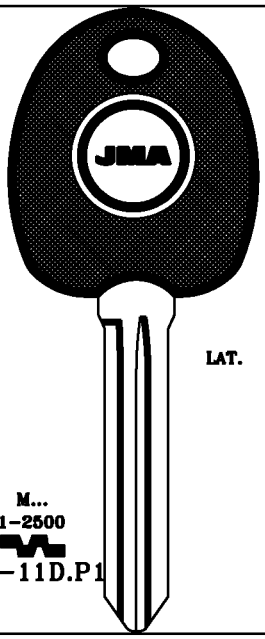


T
0001-1000

HY-4.P3
HYUNDAI

PARA:
FOR:

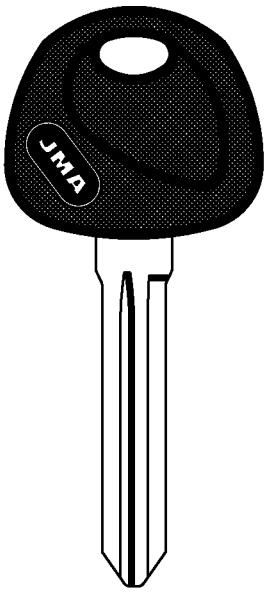
HYUNDAI



LAT.

M...
1-2500

HY-11D.P1



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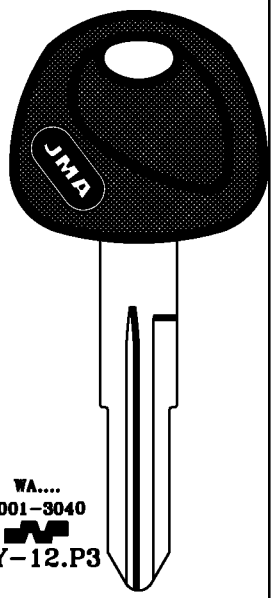
1-2500

HY-11D.P3

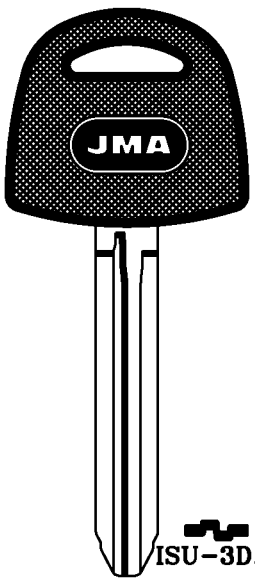


WA....
1001-3040

HY-12.P3

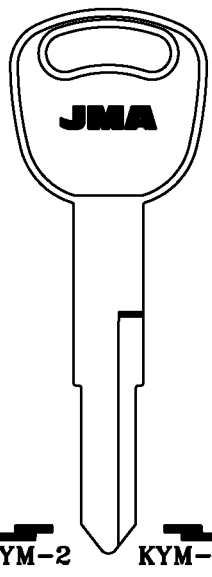
PARA:
FOR:

ISUZU



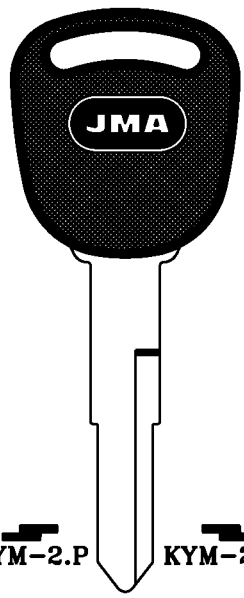
ISU-3D.P

KYMCO



KYM-2

KYM-2D



KYM-2.P

KYM-2D.P

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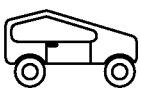

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PARA: FOR: L. & F.	MAZDA	MERIT-LINDE	NISSAN
LF-39D	.... 10100-12099 MAZ-21D.P1	MERI-1D	X....1-9000 DAT-6C1 VALEO

PARA: FOR: NISSAN	PGO	SAFE
DAT-15C1 VALEO	PGO-2.P	3 0501-1000 IMS-3 4 0501-1000 AF-21 3 0501-1000 IMS-3.P 4 0501-1000 AF-21.P 1 0501-1000 IMS-5 2 0501-1000 AF-19 1 0501-1000 IMS-5.P 2 0501-1000 AF-19.P IMS-13 (B) BLOSTER CROMODORA-FIST-IMSA IMS-13.P (B) BLOSTER CROMODORA-FIST-IMSA

PARA: FOR:	SUZUKI		TATA
SUBARU ALP. T....1-3000 SUB-2.P	..... 16501-17704 (B) SUZU-7.P SUZU-7D.P GM-MARUTI-SUZUKI	LAT. SUZU-14.P2	TAT-1D

PARA-FOR:

- L. & F. (GB)
- MAZDA (J)
- MERIT-LINDE (D)
- NISSAN (J)
- PGO (J)
- SAFE (I)
- SUBARU (J)
- SUZUKI (J)
- TATA (IND)

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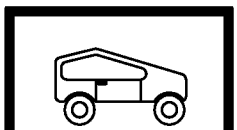

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PARA-FOR:

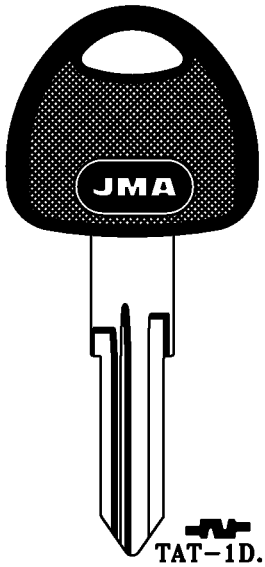
TATA (IND)

TOYOTA (J)

TRW-SIPEA (I)

VALEO (F)

PARA: FOR: TATA



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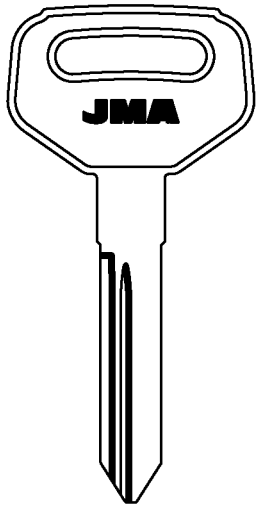

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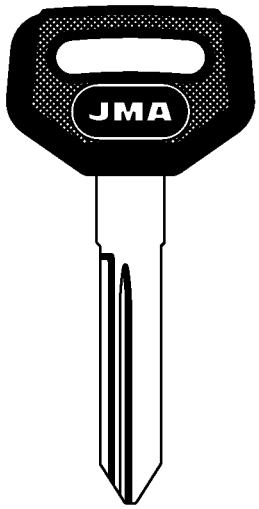

TAT-2D.P

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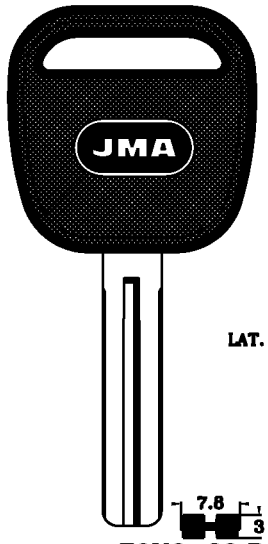

TOYO-30.P1

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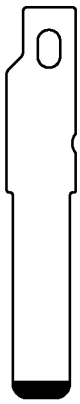
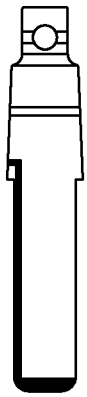


FI-16C1

VALEO



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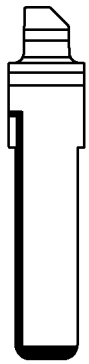

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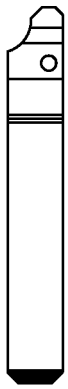

PEU-1C1

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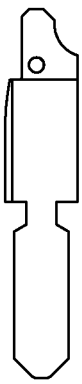

PEU-2C1

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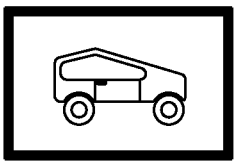

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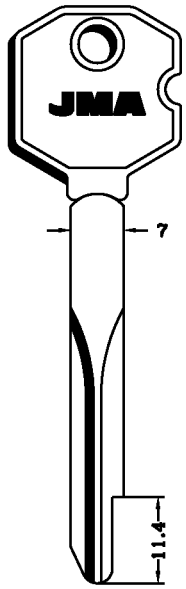
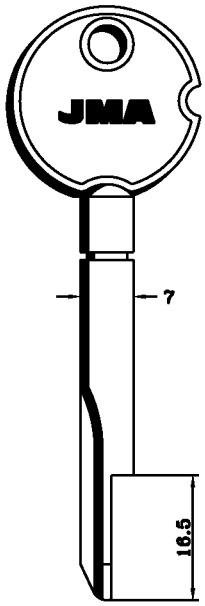
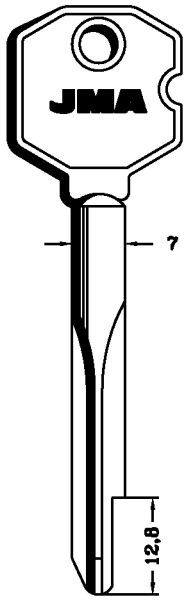
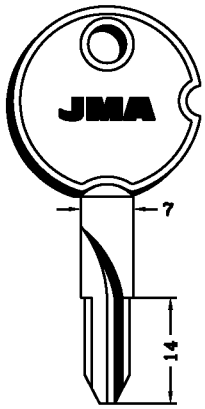
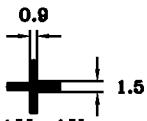
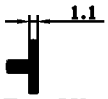
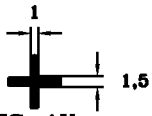
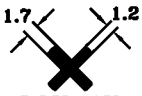
PARA: FOR: FAYN	GERA	ISEO	LOCK-IT
			
 FAY-1X	 GEA-3X	 IS-1X	 LCK-1X

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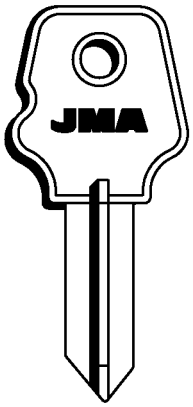 MSV-1X	

PARA-FOR:

FAYN (TR)

GERA (D)

ISEO (I)

LOCK-IT (GB)

MSV (P)

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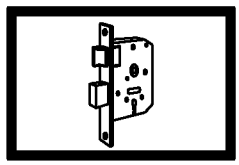

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PARA-FOR:

AKARSAN (TR)

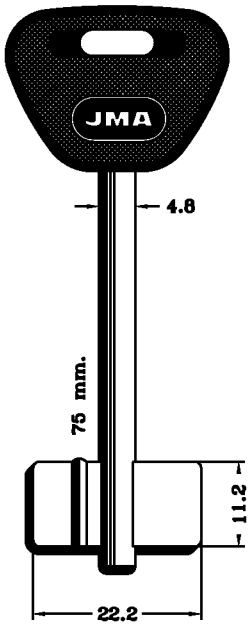
BETA (I)

BOGATIR (RUS)

CISA (I)

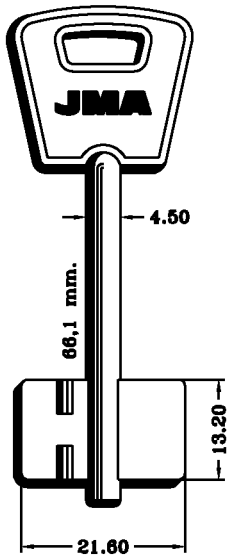
CR (I)

PARA: FOR: AKARSAN



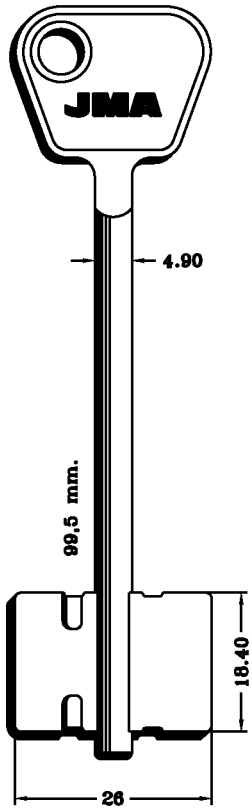
AKA-1PG

BETA



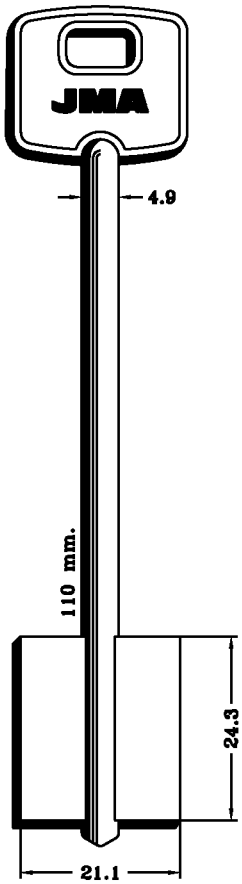
BE-10G

BOGATIR



BOG-2G

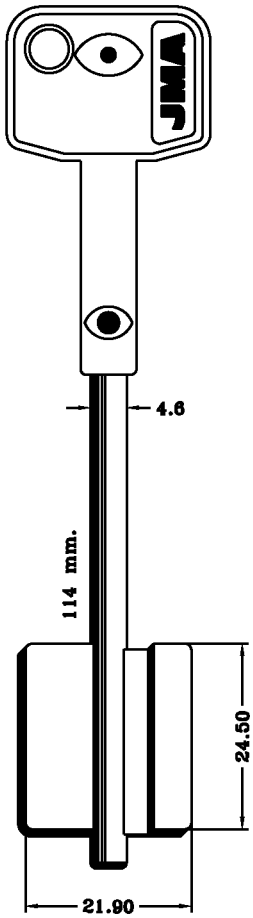
PARA: FOR: CISA



CI-13G

CI-14G

CR



CR-17TG

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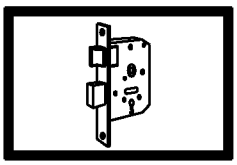
JMA



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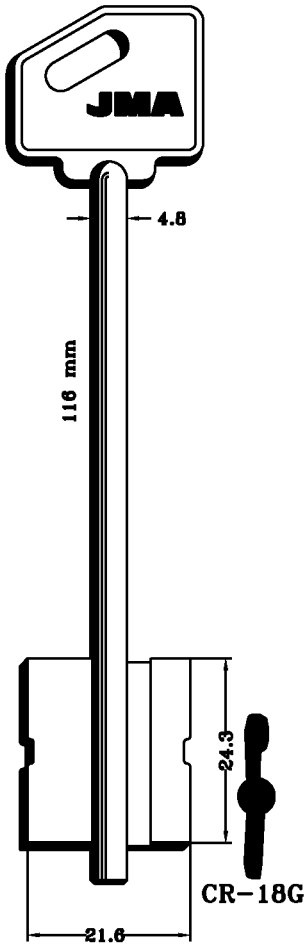
PARA:
FOR: CR



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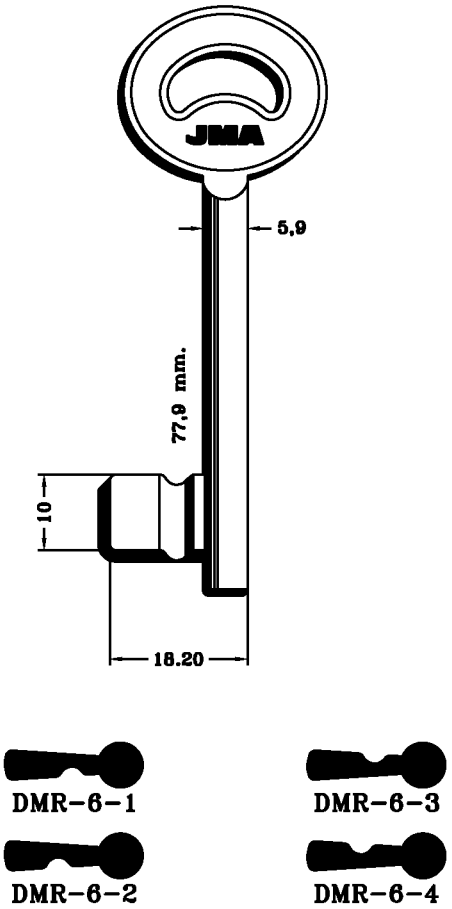
FOR: DAR-MAR



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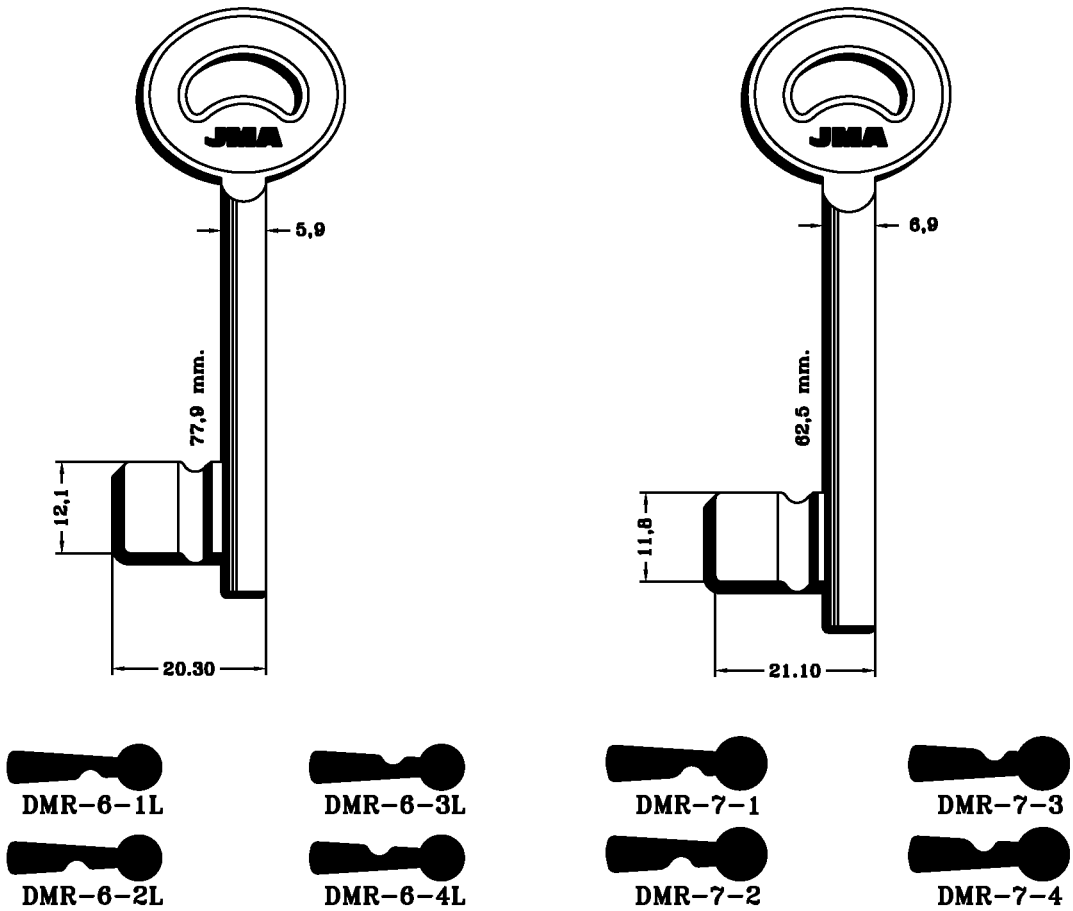

PARA-FOR:

CR (I)

DAR-MAR (PL)

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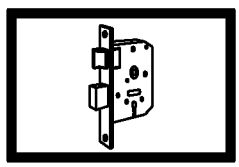
JMA



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PARA-FOR:

DEKABA (BG)

ERA (GB)

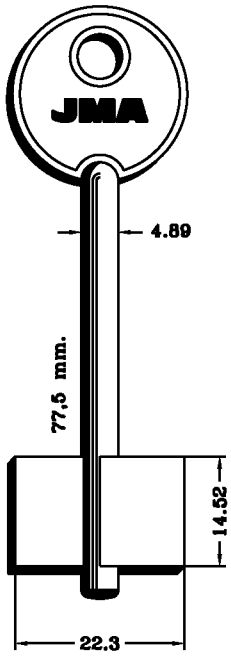
ESETY (I)

FIAM (I)

GARDIAN (RUS)

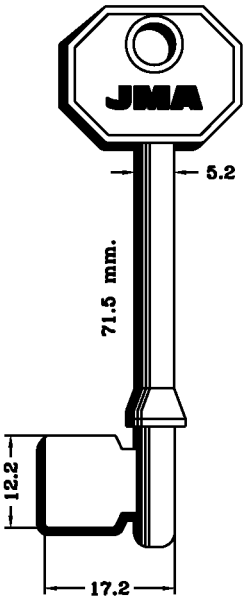
GIMAST (I)

PARA: FOR: DEKABA



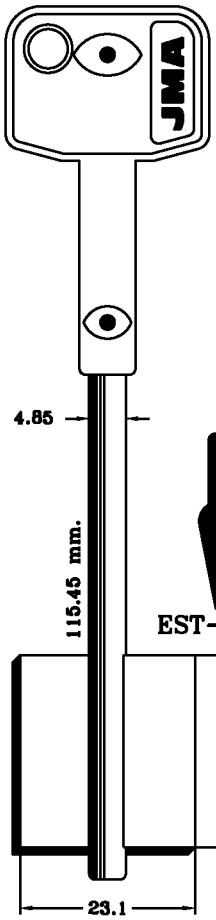
DEK−1G

ERA



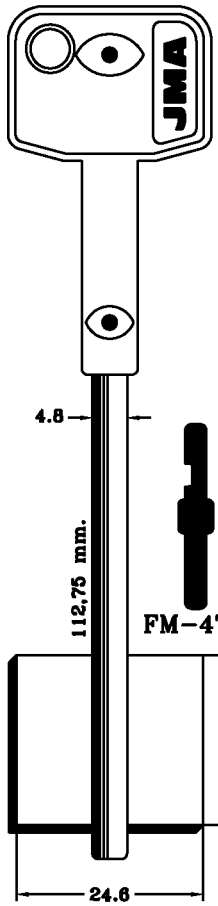
ER−5G

ESETY



EST−5TG

FIAM



FM−4TG

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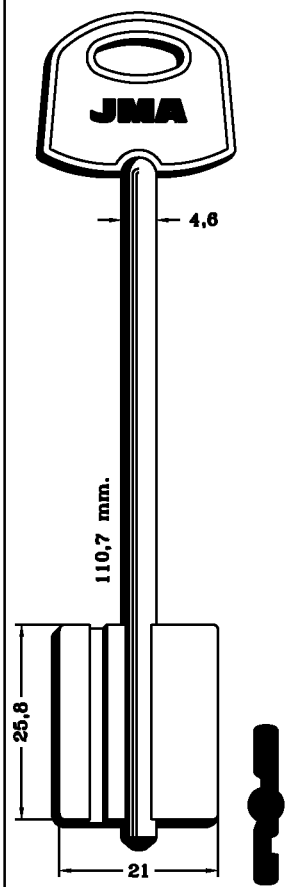
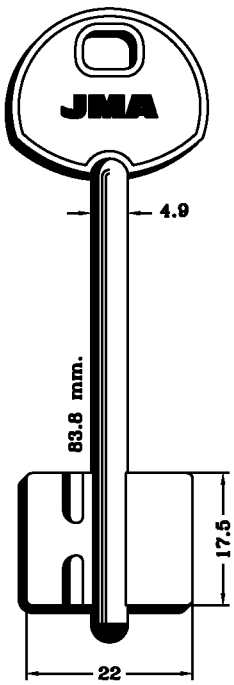


FM−20G

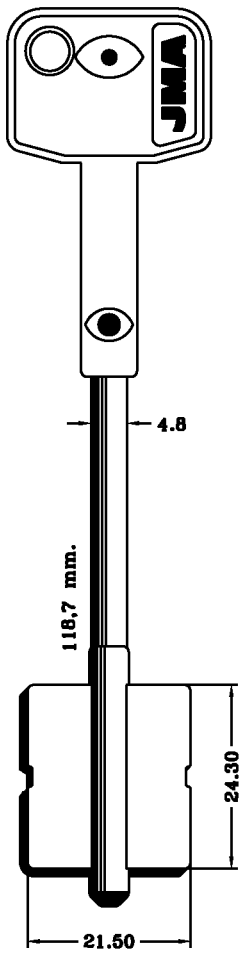
ISEO

GARDIAN



GARD−1G

GIMAST



GIM−1TG

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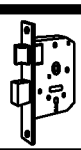

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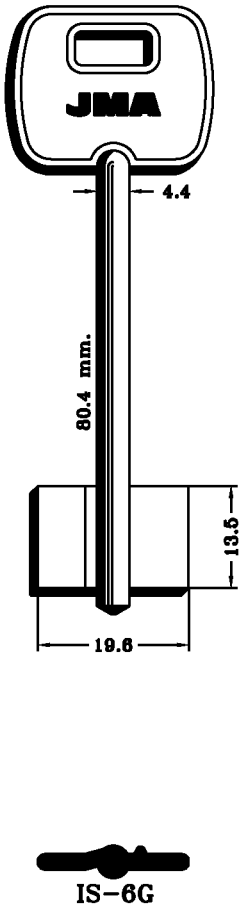
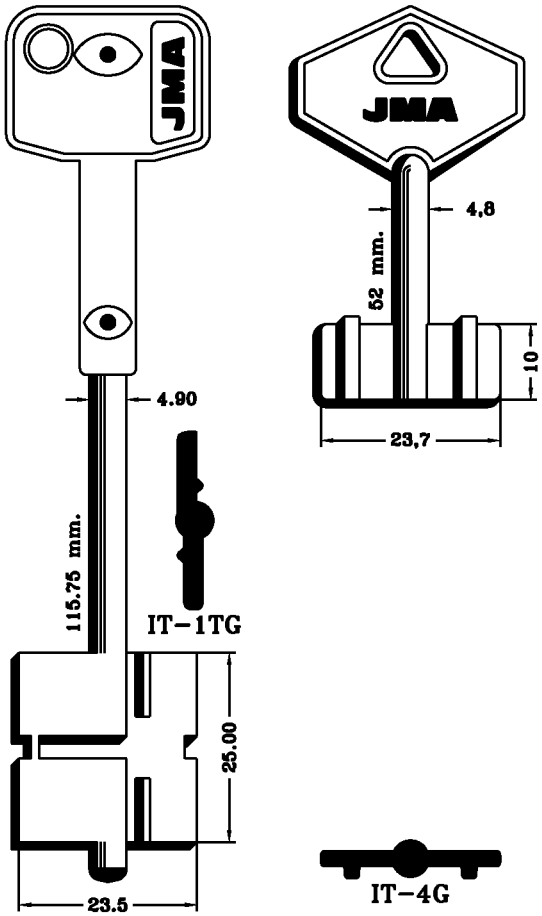
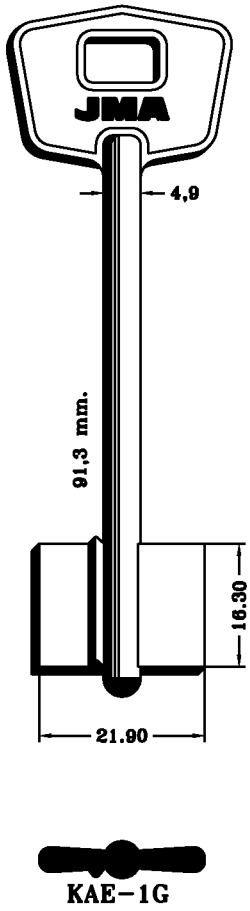
PARA: FOR: ISEO	ITAL	KALE
		

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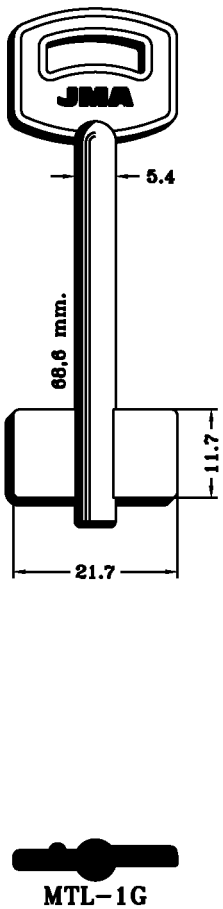	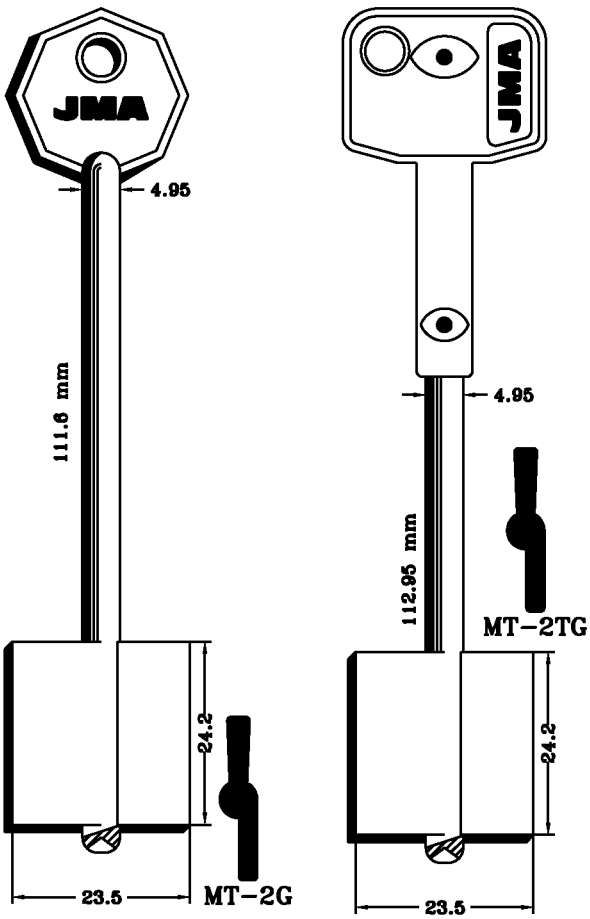	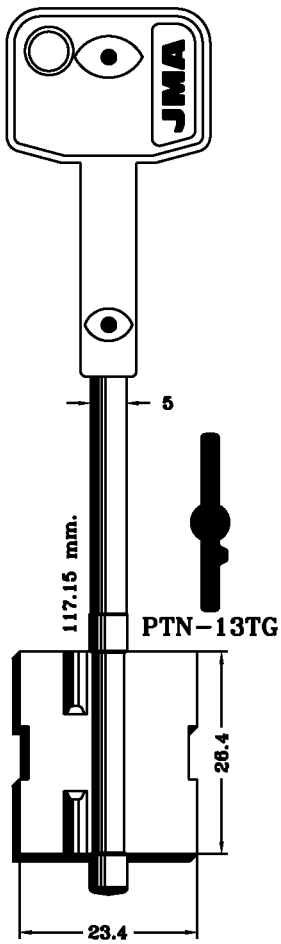

PARA-FOR:

ISEO (I)

ITAL (I)

KALE (TR)

METAL (BG)

MOTTURA (I)

POTENT (I)

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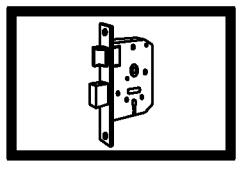
2009

JMA



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PARA-FOR:

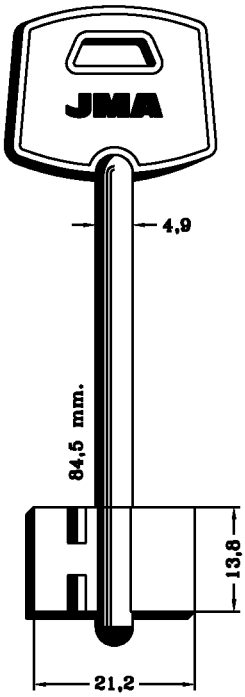
RUBEN (RUS)

SAM (RUS)

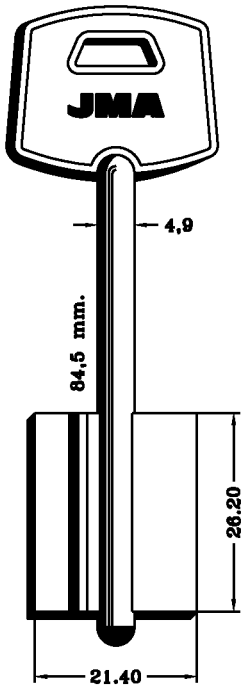
SIAS (I)

PARA:
FOR:

RUBEN



RUB-7G



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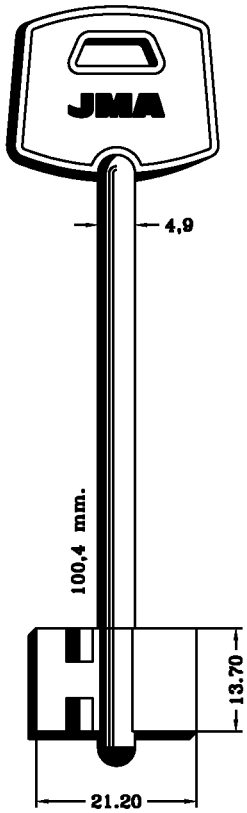

RUB-9G

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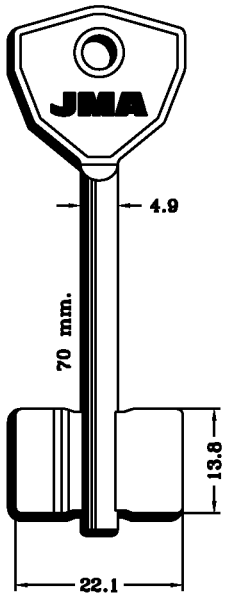
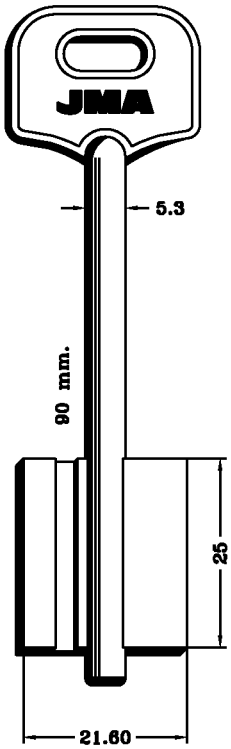


SAM-5G

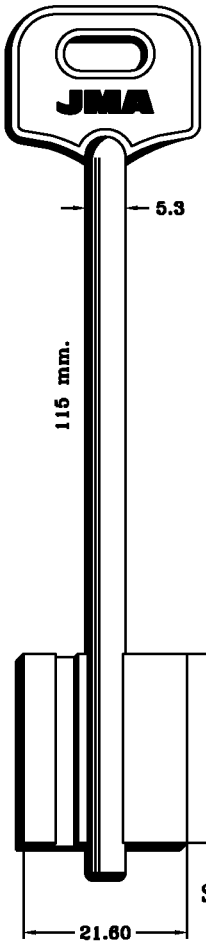
BODA-CAM

PARA:
FOR:

SIAS



SIA-2G



SIA-3G

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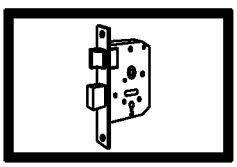
JMA



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MARCA	MODELO	1994					
FORD (AUSTRALIA)	EXPLORER TAURUS TAURUS WAGON	96-97 96-97 96-97	FO-15D FO-15DP	FO-15D FO-15DP	FO-15D FO-15DP	FO-15D FO-15DP	FO-15D FO-15DP
GM (CHEVROLET)	SPARK	-	DAE-3P2	DAE-3P2	DAE-3P2	DAE-3P2	DAE-3P2
GM (OLDS MOBILE)	ALERO INTRIGUE	00-04 00-03	GM-14 GM-14P	GM-14 GM-14P	GM-14 GM-14P		
GM (PONTIAC)	GRAND AM	00-05	GM-14 GM-14P	GM-14 GM-14P	GM-14 GM-14P		
	SUNFIRE	00-05	GM-25 GM-25P	GM-25 GM-25P	GM-25 GM-25P		
HOLDEN	BELMOND CALAIS COMMODORE KINGSWOOD STATESMAN	-1979 1978- 1978- 1979- 1978-	GM-42	GM-42	GM-42		
HUMMER	H2	2005-				RE-1D	
	H3	2005-				BL-2	
HYUNDAI	ELANTRA LANTRA	91-96 91-96	HY-4P3	HY-4P3	HY-4P3	HY-4P3	
	TIBURON	2001	HY-4 HY-4P HY-4P2 HY-4P3	HY-4 HY-4P HY-4P2 HY-4P3	HY-4 HY-4P HY-4P2 HY-4P3	HY-4 HY-4P HY-4P2 HY-4P3	HY-4 HY-4P HY-4P2 HY-4P3
ISUZU	D-MAX	02-06	ISU-3DP	ISU-3DP	ISU-3DP	ISU-3DP	
	VEHY-CROSS	98-02	SUZU-10P	SUZU-10P	SUZU-10P	SUZU-10P	SUZU-10P
KIA	CLARENCE CLARUS PRIDE RIO SORENTO	2001- 98-01 1999- 2001- 1998-	KI-3DP	KI-3DP	KI-3DP	KI-3DP	KI-3DP
MAZDA	ARTIS	-	MAZ-21DP1	MAZ-21DP1	MAZ-21DP1	MAZ-21DP1	MAZ-21DP1
MITSUBISHI	L 400	1997-	MIT-7P	MIT-7P	MIT-7P	MIT-7P	MIT-7P
PEUGEOT	PARTNER	1997	SIX-3P1 SIX-3P2	SIX-3P1 SIX-3P2	SIX-3P1 SIX-3P2		SIX-3P1 SIX-3P2
SSANGYONG	KORANDO	2000-	HY-5 HY-5P	HY-5 HY-5P	HY-5 HY-5P	HY-5 HY-5P	HY-5 HY-5P
TATA	INDICA	2000-	TAT-1D TAT-1DP	TAT-1D TAT-1DP	TAT-1D TAT-1DP	TAT-1D TAT-1DP	TAT-1D TAT-1DP

MARCA	MODELO	1994					
ISUZU	NKR NPR NQR	– – –	MIT-15P	MIT-15P			

MARCA	MODELO	1994					
DERBY	MULHACEN	2006-	ZA-9P1	ZA-9P1		ZA-9P1	
GILERA	NCR 50 NEXUS RUNNER	2006- 2006- 2006-	ZA-9P1	ZA-9P1		ZA-9P1	
HONDA	CBF 500 CBF 600 FORZA	2004- 2004- 2005-	HOND-24P	HOND-24P	HOND-24P	HOND-24P	HOND-24P
	DYLAN 125 PS 125I PS 150I SH 125I SH 150I	2004- 2006- 2006- 2005- 2006-	ZA-9P1	ZA-9P1	ZA-9P1	ZA-9P1	ZA-9P1
KAWASAKI	KLV 1000	2004-	SUZU-12DP	SUZU-12DP			
	Z 750	2004-	KAW-9P	KAW-9P	KAW-9P	KAW-9P	
PGO	COMET PMS PMX RODOSHOW TREX	2000- 2000- 2000- 2000- 2000-	PGO-2P				
SUZUKI	GS 500 F GSF BANDIT GSX R1300 GZ 250 LR GSX 600 SV 650 SV 750 VL 800 VZ 1600 V-STROM 650 V-STROM 1000	2004- 2004- 2004- 2004- 2004- 2004- 2004- 2004- 2004- 2004- 2004-	SUZU-12DP	SUZU-12DP			
	KATANA R	2004-	ZA-9P1	ZA-9P1			
TRIUMPH	AMERICA BONNEVILLE DAYTONA ROCKET III SCRAMBLER SPEEDMASTER SPRINT ST THRUXTON TIGER	2006- 2006- 2006- 2006- 2006- 2006- 2006- 2006- 2006-	ZA-9P1			ZA-9P1	
YAMAHA	MAJESTY 250	2005-	ZA-9P1	ZA-9P1	ZA-9P1	ZA-9P1	

SIMBOLOGÍA

SPECIAL ORDER	Accesorio a pedido especial *Accesory on specific request* *Accesoire sur demande spécifique* *Zubehór auf spezifischen Wunsch* *Accesorio su richiesta specifica*
COLUMBIA	Máquina duplicadora fuera de producción *Discontinued machine* *Machine à reproduire les clés hors production* *Schlüsselkopiermaschine ausser Produktion* *Duplicatrice fuori produzione*
A	Diámetro externo *External diameter* *Diamètre extérieur* *Aussen-Durchmesser* *Diamtro esterno*
C	Diámetro interior *Internal diameter* *Alésage* *Innen-Durchmesser* *Diamtro foro*
B B	Espesor *Cutter thickness* *Épaisseur* *Stärke* *Spessore*
D°	Ángulo de corte *Cutting angle* *Angle de coupe* *Einschnittwinkel* *Angolo di taglio*
E	Parte llana ángulo de corte *Cutter tip width* *Partie plate angle de coupe* *Flach-Einschnitt* *Piano di cifratura*
	Fresa a ángulo puntiagudo *Double angle cutter* *Fraise à foret* *Spitzen-Einschnitt* *Fresa a punta*

	Fresa a cortes laterales *Miling cutter with side cuts* *Fraise à découpes latérales* *Fráser mit Seiteneinschnitten* *Fresa a tagli laterali*
W	Fresa en acero duro *Carbide cutter* *Fraise au carbure* *Hartmetall Fräser* *Fresa in metallo duro*
FP ...	Fresa opcional *Optional cutter* *Fraise optional* *Fakultative fräser*
FP ...	Fresa standard *Standard cutter* *Fraise standard* *Standard fräser*
E	Distancia corte *Thread size* *Dimension taraudage* *Gewindeschneiden* *Filettatura*
D	Largo *Length* *Longueur* *Länge* *Lunghezza*
MAT.	Material *Material* *Matériel* *Material* *Materiale*
HSS	Acero super rápido *High Speed Steel* *Acier super rápide* *Hochleistung-Schenellstahl* *Acciaio Super rápido*

STANDARD COPY	La llave puede ser reproducida utilizando los utensilios standar suministrados con la máquina. *This Key can be cut using the accessories supplied as standard with the machine.* *Le clé peut être reproduite en utilisant les outils standard fournis avec la machine.* *Der Schlüssel kann mit dem Zubehór der Maschine werden geschnitten.* *Chiave eseguibile a copia con accessori in dotazioni alla macchina.*
OPTIONAL COPY	Utilización de los accesorios opcionales para la reproducción de la llave. *To duplicate this key, the necessary accessories are available as an optional extra.* *La clé peut être reproduite en utilisant les outils en option.* *Der Schlüssel kann mit Optional-Zubehören geschnitten werden.* *Chiave eseguibile a copia con accessori opzionali.*

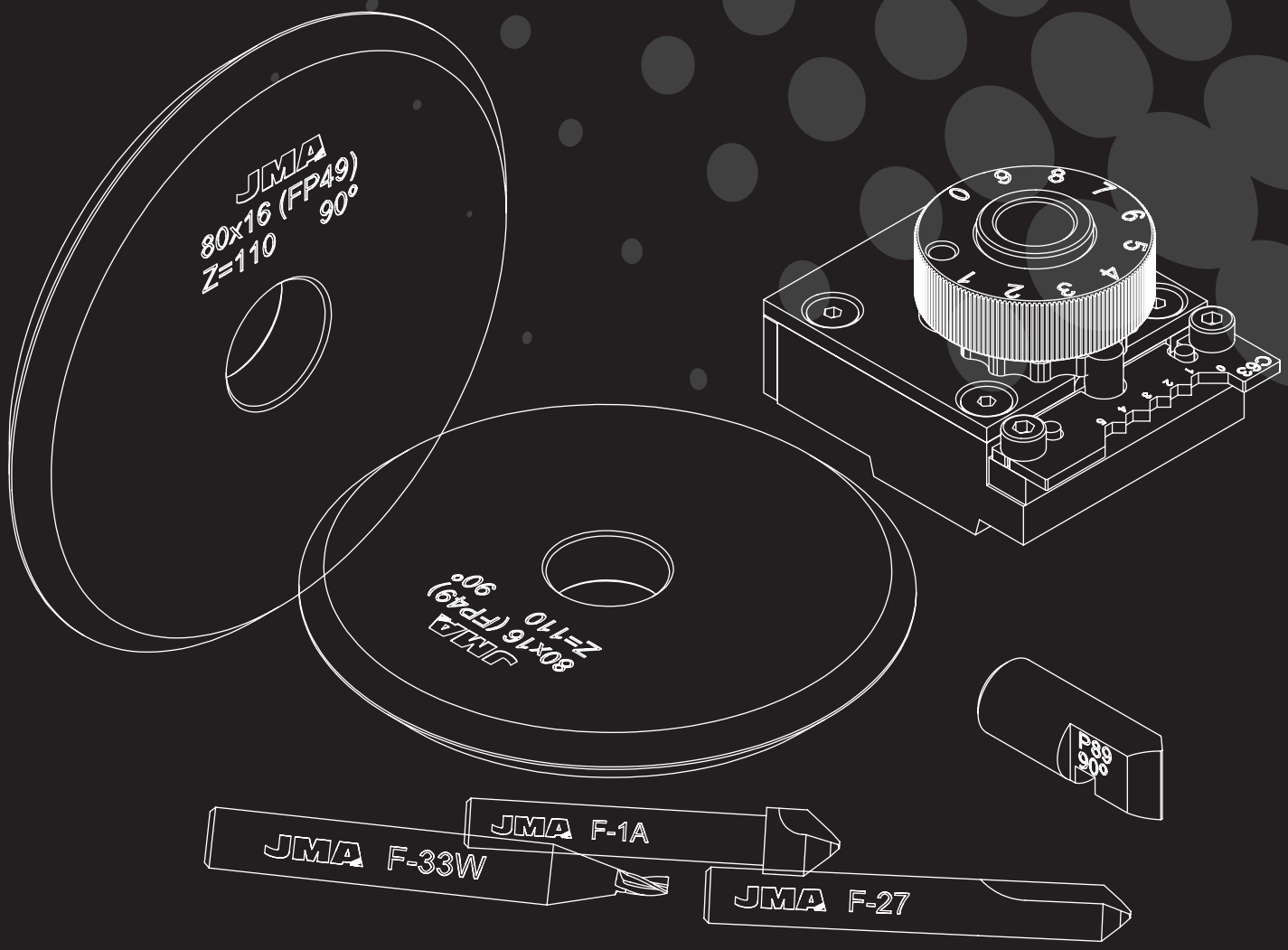
Fresas

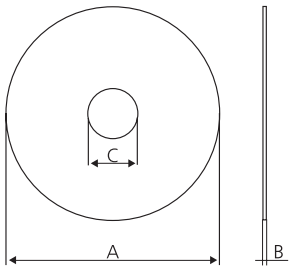
Miling cutters

Fraises

Fräse

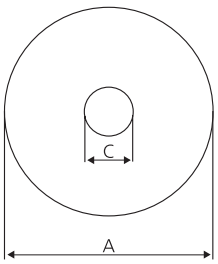
Frese

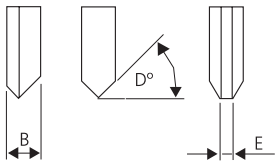




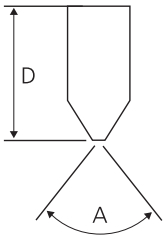
CODE	AxBxC	MAT.	PARA-FOR
FP7	63x1,25x16	HSS	ECCO BIT-DETROIT
FP8*	63x1,4x16	HSS	ECCO BIT-DETROIT
FP9	63x1x16	HSS	ECCO BIT
FP10	63x2,4x16	HSS	ECCO FORD-ECCO ABLOY-PASADENA-NEBRASKA
FP17	80x1,25x16	HSS	SARATOGA-YAKARTA-DAKOTA-TITAN BIT
FP18	80x1,25x22	HSS	ATLANTA-TOPEKA
FP19*	80x1,4x16	HSS	SARATOGA-YAKARTA-DAKOTA G
FP20	80x1,4x22	HSS	ATLANTA-TOPEKA
FP21	80x1,5x22	HSS	DUPLEX-ATLANTA-TOPEKA-KANSAS
FP21W	80x1,5x22	W	DUPLEX-ATLANTA-TOPEKA-KANSAS
FP22	80x1x16	HSS	SARATOGA-DAKOTA G-TITAN BIT
FP23	80x1x22	HSS	DUPLEX-ATLANTA-TOPEKA
FP26	80x1,5x16	HSS	SARATOGA-YAKARTA-DAKOTA-G-SENA
FP26W	80x1,5x16	W	SARATOGA-YAKARTA-DAKOTA-G-SENA

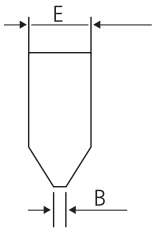
* STANDAR



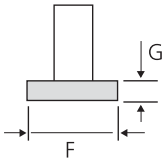


CODE	AxBxC	D	E	MAT.	PARA-FOR
FP1	25x10x10	50	0	HSS	OREGON
FP2W	40x6x10	35	0,1	W	VIRGINIA
FP3	50x6x12	45	0,15	HSS	KIS
FP4	53x6,3x12	45	0,1	HSS	KIS
FP5	57x5x12,7	45	0,15	HSS	JMA
FP6	60x5x12,7	42	0,1	HSS	SPRINT
FP11	63x5x16	42	0	HSS	ECCO/ECCO PLUS/ECCO AUTOMATIC
FP12	63x5x16	40	0,1	HSS	TUCSON
FP13	63x5x16-150D	42	0,1	HSS	DALLAS
FP14	70x13x7	45	0	HSS	LINCE CE-2
FP15	70x13x7-110	55	0	HSS	LINCE CM-1
FP16	70x5,25x16	40	0,1	HSS	PROCODE
FP16W	70x5,25x16	40	0,1	W	PROCODE
FP24	80x5x16	42	0,15	HSS	DAKOTA EXTRA/SARATOGA/NEVADA DENVER/TITAN/TITAN MASTER
FP25	80x5x16, 30	42,3	0,15	HSS	DAKOTA EXTRA/SARATOGA/TITAN/TITAN MASTER
FP41	80x8x16	50	12	HSS	CODE-ADAPTER DAKOTA/TITAN/SARATOGA
FP42	80x8x16	45	0,85	HSS	CODE-ADAPTER DAKOTA/TITAN/SARATOGA
FP43	80x8x16	45	1,55	HSS	CODE-ADAPTER DAKOTA/TITAN/SARATOGA
FP44	80x8x16	52,5	0,15	HSS	CODE-ADAPTER DAKOTA/TITAN/SARATOGA
FP49	80x8x16	45	0,4	HSS	CODE-ADAPTER DAKOTA/TITAN/SARATOGA
FP50	80x8x16	50	0,4	HSS	CODE-ADAPTER DAKOTA/TITAN/SARATOGA





CODE	A	B	C	D	E	MAT.	PARA-FOR
F1	90	0,8		45	6	HSS	DAKAR / DAKAR EXPRESS / DAKKI / DAYTONA / COLUMBIA-ALBANY / ARIZONA / X-CODE
F1W	90	0,8		45	6	W	
F1A	90	0,8		45	8	HSS	
F3			1,5	45	6	HSS	
F3W			1,5	45	6	W	
F4	90	0,4		45	6	HSS	
F5	90	0,9		45	6	HSS	
F5W	90	0,9		45	6	W	
F6	106	1		45	6	HSS	
F7	70	0,8		45	6	HSS	
F8			4	45	6	HSS	
F8W			4	45	6	W	
F11			2,5	45	6	HSS	
F11W			2,5	45	6	W	
F12A	100	0,6		45	6	HSS	
F12B	100-90	2,1-2,9		45	6	HSS	
F13	100	0,8		45	6	HSS	
F13W	100	0,8		45	6	W	
F14	100	1,45		45	6	HSS	
F15 CON PLANTILLAS		2	5	45	6	HSS	
F16	130	0,6		45	6	HSS	
F17			3	45	6	HSS	
F17W			3	45	6	W	
F19	90	1,2		45	6	HSS	
F21	85	0,72		45	6	HSS	
F22			2,4	45	6	HSS	
F23W	90	0,8	3,3	45	6	W	
F24	95	1		45	6	HSS	
F24W	95	1		45	6	W	
F25	95	1,1		45	6	HSS	
F25W	95	1,1		45	6	W	
F26	90	0,6		45	6	HSS	
F27	90	0,7		45	6	HSS	
F27W	90	0,7		45	6	W	
F30	90	3	3	45	6	HSS	
F32	90	0,6	3	45	6	HSS	
F32W	90	0,6	3	45	6	W	
F33			2	45	6	HSS	
F33W			2	45	6	W	
F34	90	1,4		45	6	HSS	
F43	90	0,7		45	6	HSS	
FB	90-90	2,7-3,3		45	6	HSS	
FC	80-80			45	6	HSS	
F9			5,95	45	6	HSS	CHICAGO
F9W			5,95	45	6	HSS	



CODE	A	B	C	D	E	MAT.	PARA-FOR
F18	10	1		45	6	HSS	DAKAR-DAKAR EXPRESS-DAKKI-DAYTONA-COLUMBIA-ALBANY-ARIZONA
F20	16	1,25		45	6	HSS	

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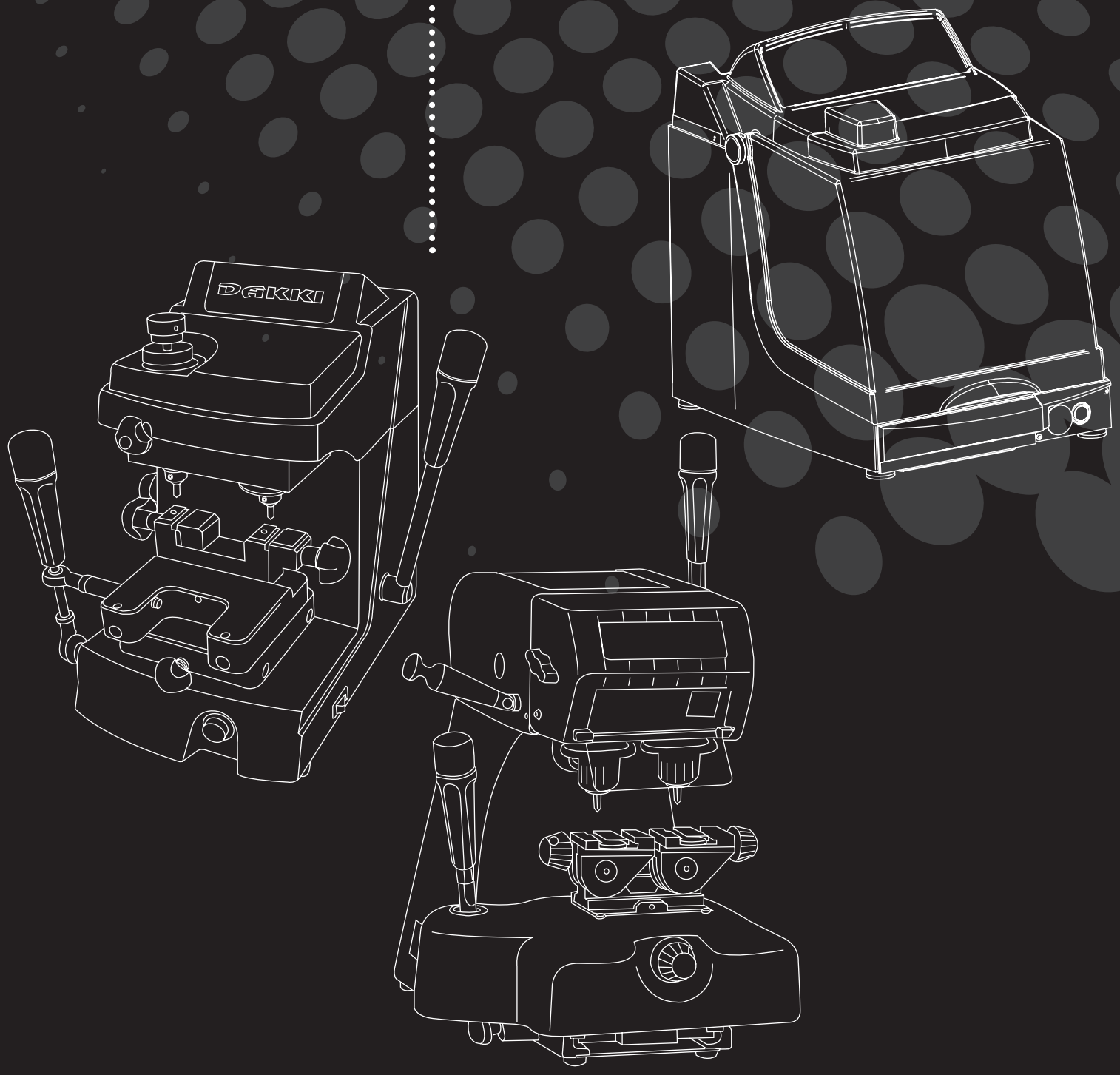

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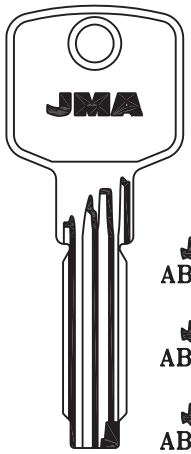

ABU−61

ABU−63

ABU−66

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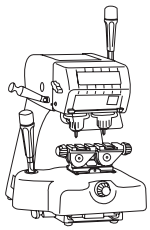

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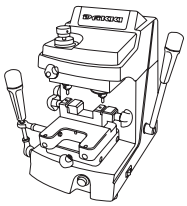

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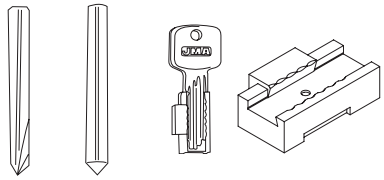

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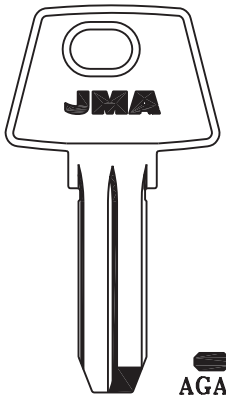
AGA



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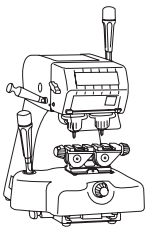

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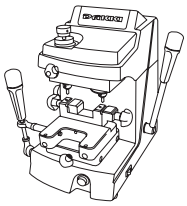

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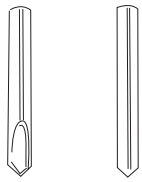
COLUMBIA | DAYTONA



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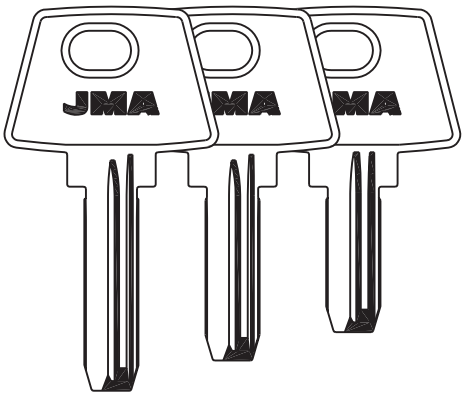

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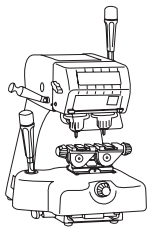

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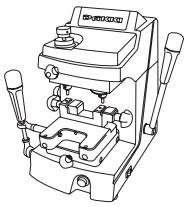

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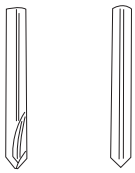
COLUMBIA | DAYTONA



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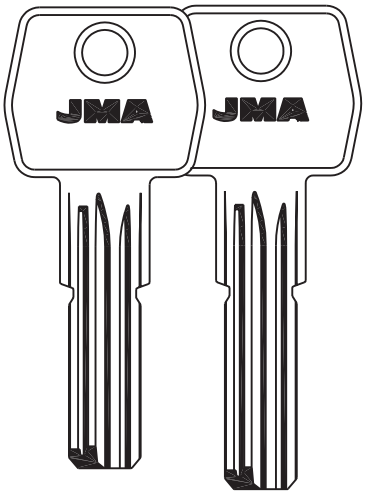

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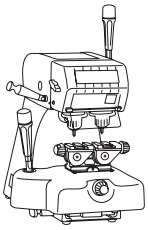

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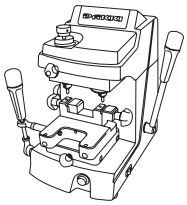

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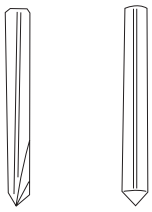

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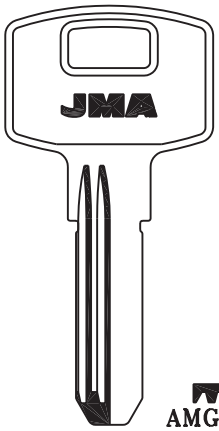

AMG–10D

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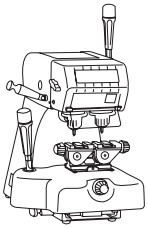

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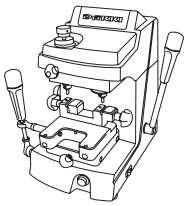

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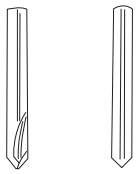

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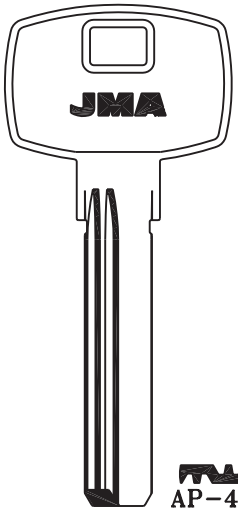
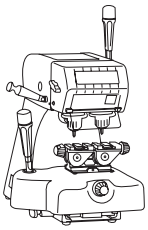


AP–4D

DAKAR – DAKAR EXPRESS



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DAKAR EXPRESS

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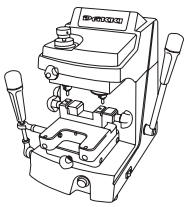

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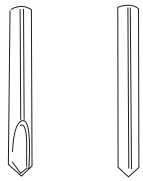

F13 P13

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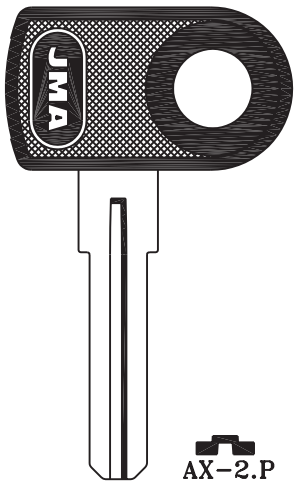

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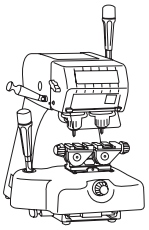

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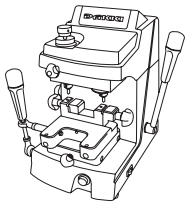

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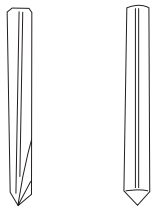
COLUMBIA | DAYTONA



F1 P1

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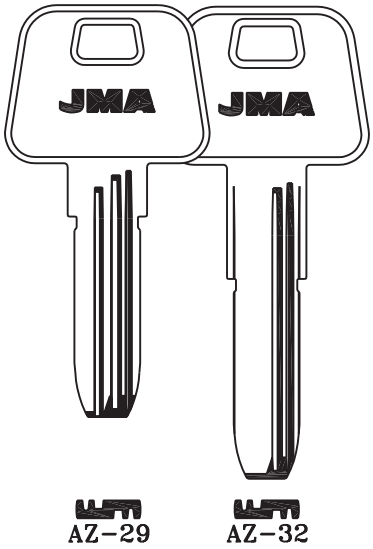

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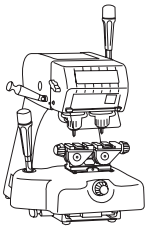

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OPTIONAL COPY DAKAR EXPRESS

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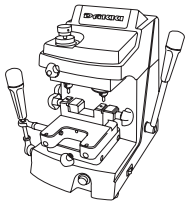

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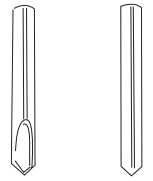
COLUMBIA | DAYTONA



F13 P13

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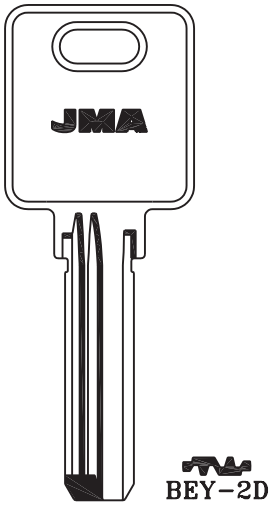

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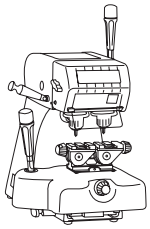

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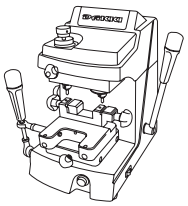

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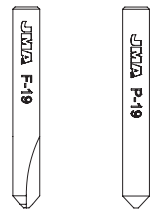

F19 P19

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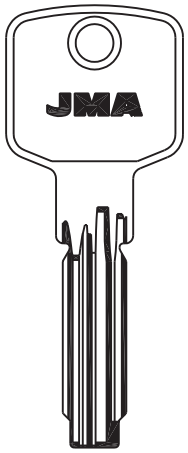

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BRI-28
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BRI-33

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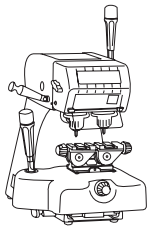

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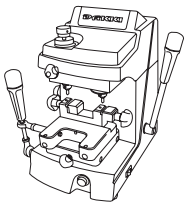

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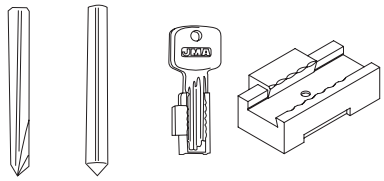

F1 P1 AD-CI

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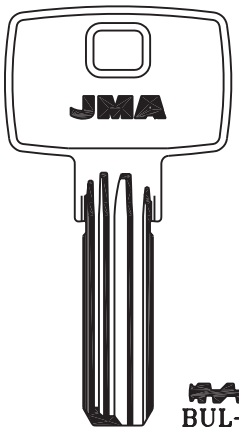

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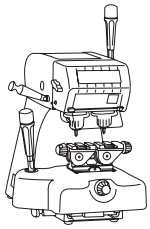

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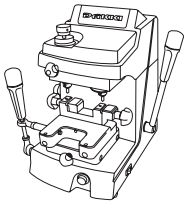

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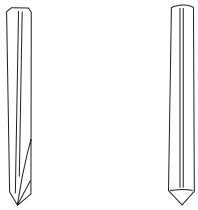

F1 P1

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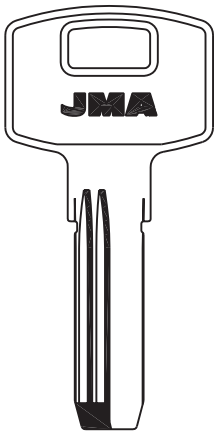

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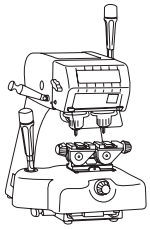

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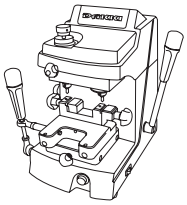

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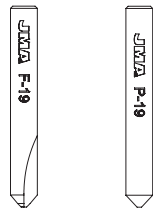

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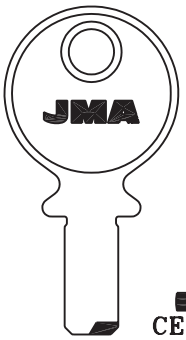

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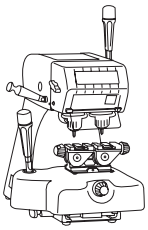

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F32

P32

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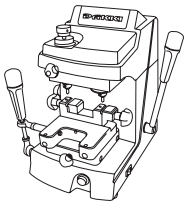

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COLUMBIA | DAYTONA

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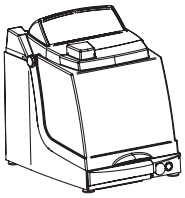

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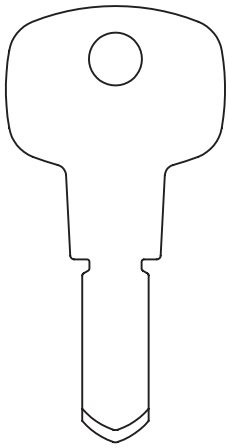

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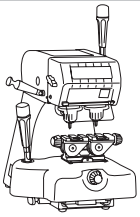

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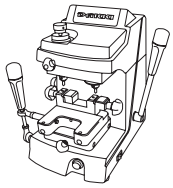

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COLUMBIA | DAYTONA

XCODE *(Password Protected– CES authorization)*

F32

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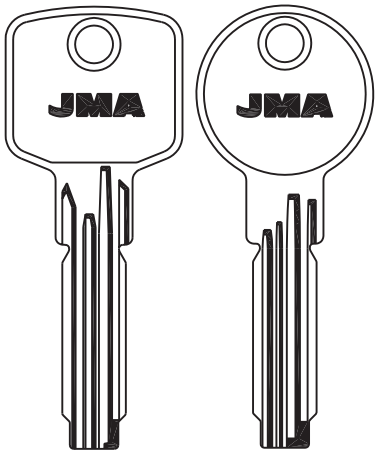

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CI-31 CI-59

CI-60

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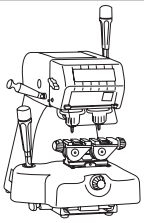

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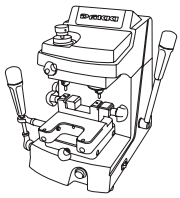

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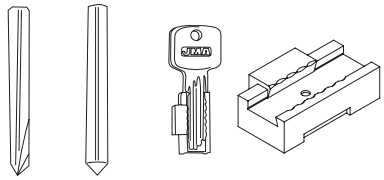
COLUMBIA | DAYTONA



F1 P1 AD-CI

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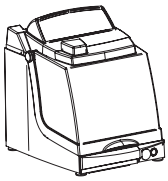

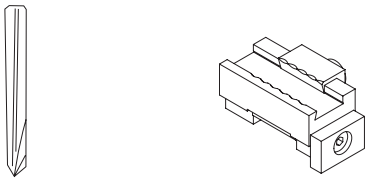

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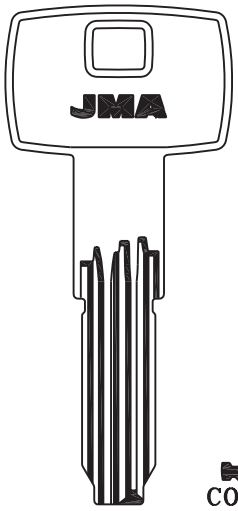

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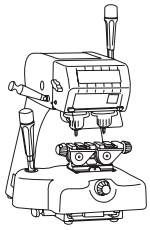

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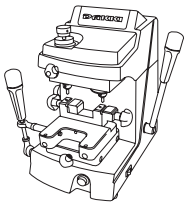

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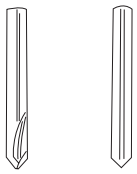
COLUMBIA | DAYTONA



F5 P5

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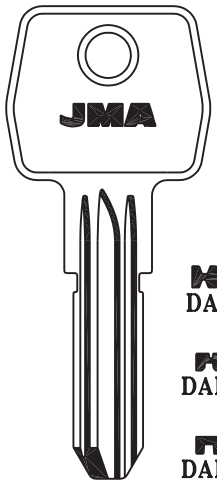

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DAF–3D

DAF–4D

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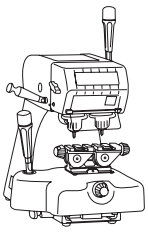

STANDARD COPY

OPTIONAL COPY DAKAR EXPRESS

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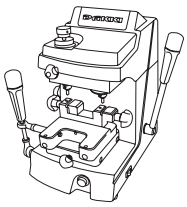

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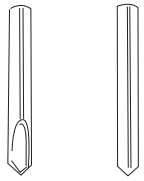
COLUMBIA | DAYTONA



F13 P13

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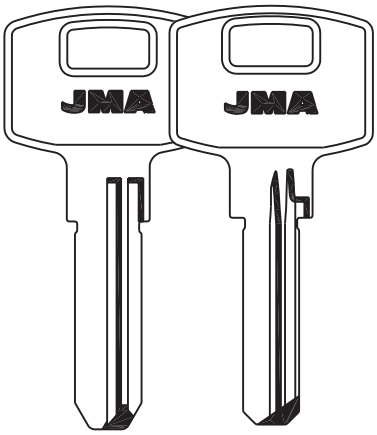

DEK–3 DEK–4

DEK–8

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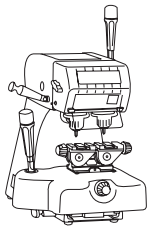

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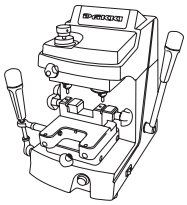

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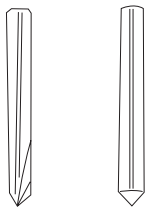

F1 P1

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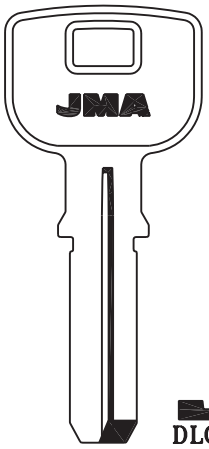
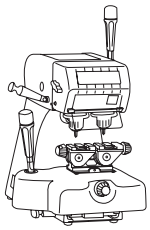


DLC–3

DAKAR – DAKAR EXPRESS



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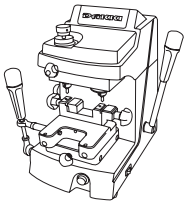

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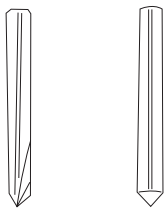
COLUMBIA | DAYTONA



F1 P1

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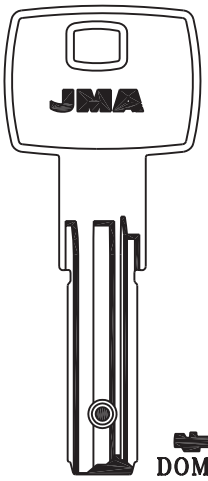
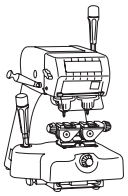


DAKAR – DAKAR EXPRESS



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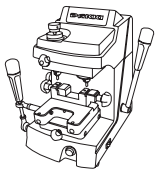
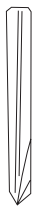


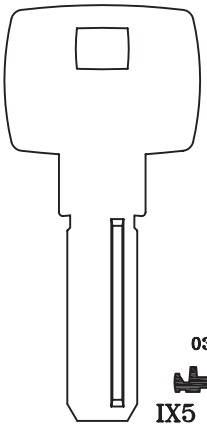
STANDARD COPY

COLUMBIA | DAYTONA



F1

P1



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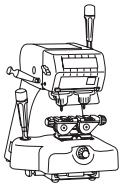

OPTIONAL COPY

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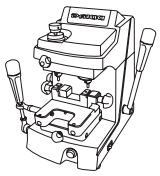
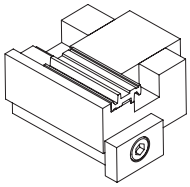


OPTIONAL COPY

COLUMBIA | DAYTONA

F1

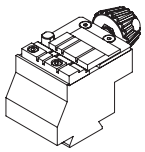
P1



AD-DO

XCODE *(Password Protected– DOM authorization)*

F1



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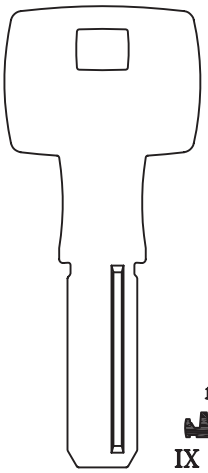

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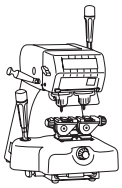

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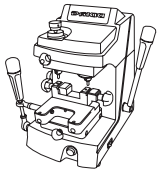
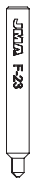


OPTIONAL COPY

COLUMBIA | DAYTONA



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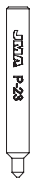

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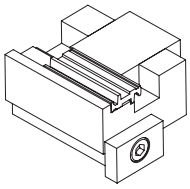

AD-DO

XCODE *(Password Protected– DOM authorization)*

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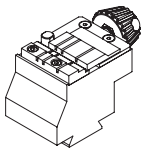

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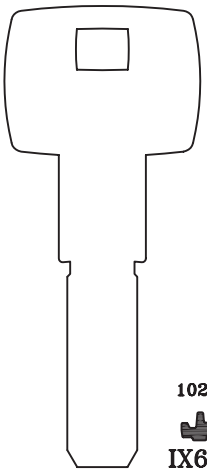
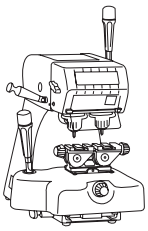


102/121

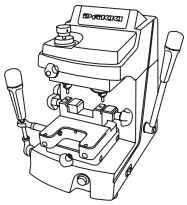
IX6 KG

DAKAR – DAKAR EXPRESS



OPTIONAL COPY

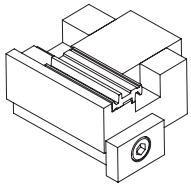
DAKKI



OPTIONAL COPY

F1A

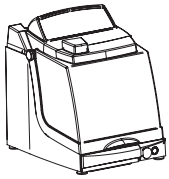
P1

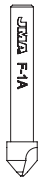


AD-DO

COLUMBIA | DAYTONA

XCODE *(Password Protected– DOM authorization)*





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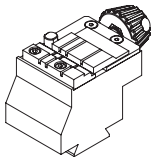

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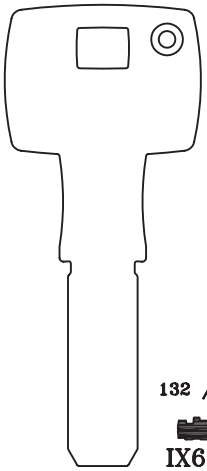
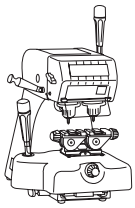


132 / 232

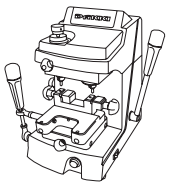
IX6 SR

DAKAR – DAKAR EXPRESS



OPTIONAL COPY

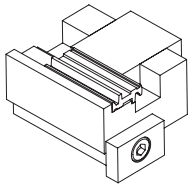
DAKKI



OPTIONAL COPY

F23

P23



AD-DO

COLUMBIA | DAYTONA

XCODE *(Password Protected– DOM authorization)*

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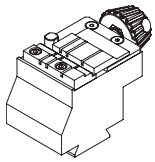

M4

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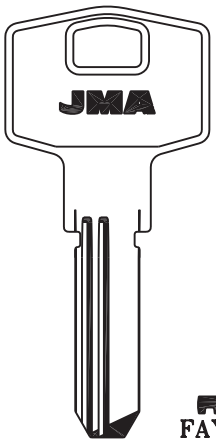
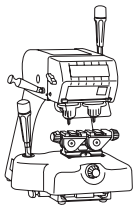


FAY−1D

DAKAR – DAKAR EXPRESS



OPTIONAL COPY

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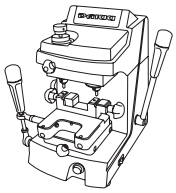


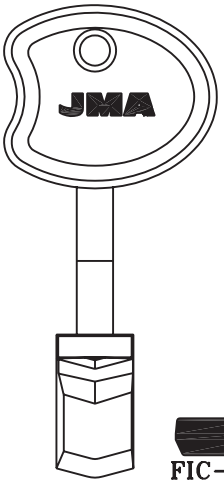
OPTIONAL COPY

COLUMBIA | DAYTONA

F5

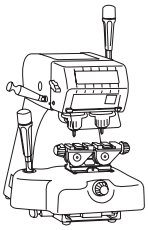
P5

FICHET

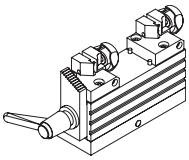


FIC−18

DAKAR – DAKAR EXPRESS

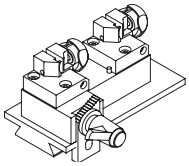


OPTIONAL COPY



FIC 18-DA

COLUMBIA

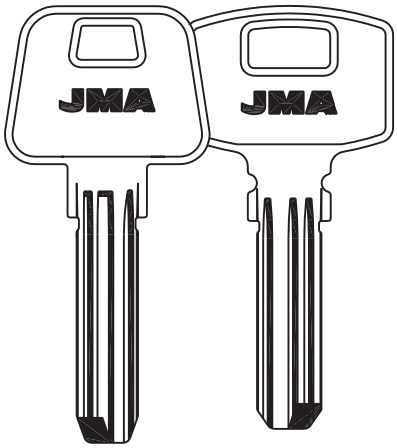


FIC 18-CO

F18

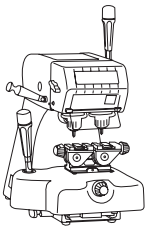
P18

FTH



FTH−23 FTH−24

DAKAR – DAKAR EXPRESS



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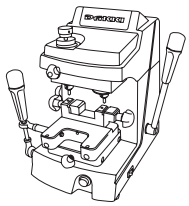


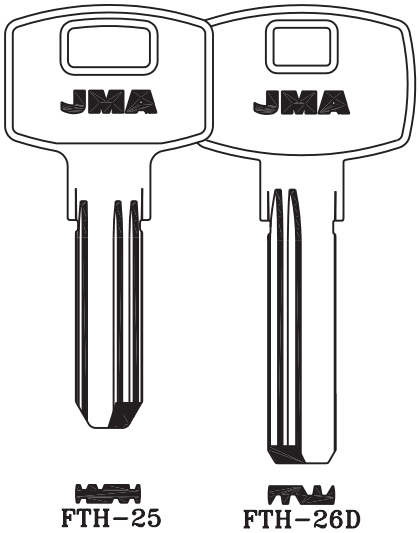
OPTIONAL COPY

COLUMBIA | DAYTONA

F5

P5

FTH



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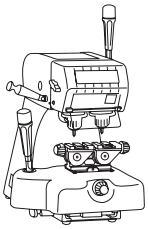

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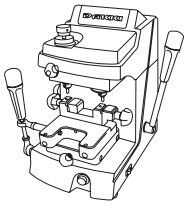
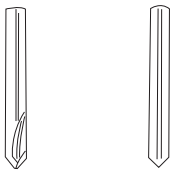
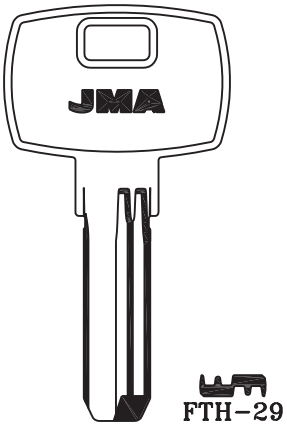


OPTIONAL COPY

COLUMBIA | DAYTONA



F5 P5



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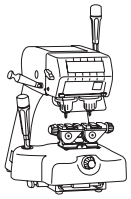

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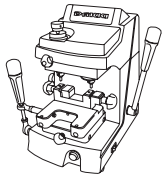
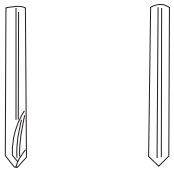


OPTIONAL COPY

COLUMBIA | DAYTONA



F5 P5

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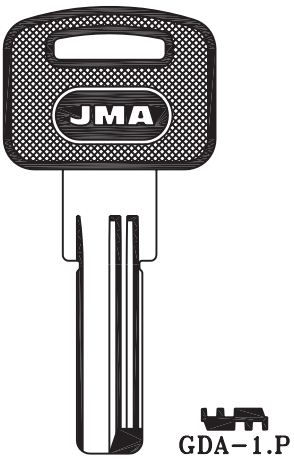

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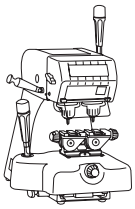

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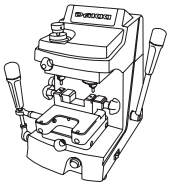
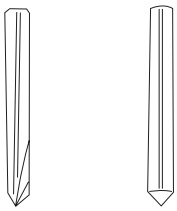


OPTIONAL COPY

COLUMBIA | DAYTONA



F1 P1

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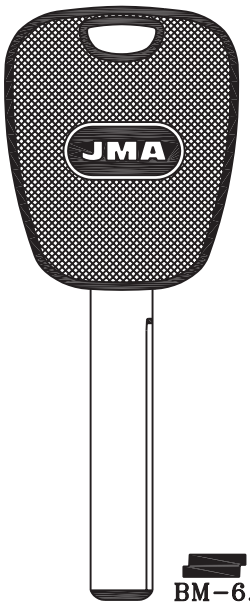
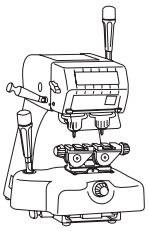


BM-6.P

DAKAR – DAKAR EXPRESS



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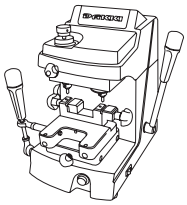
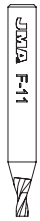


OPTIONAL COPY

COLUMBIA | DAYTONA



F11

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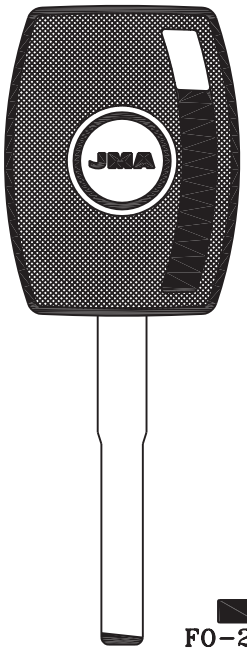

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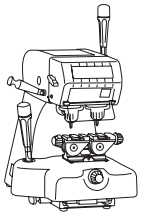
DAKAR – DAKAR EXPRESS



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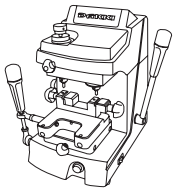

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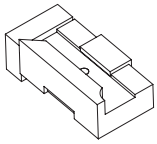

AD-FO24

COLUMBIA | DAYTONA

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P11

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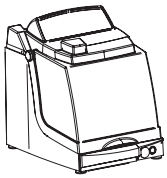

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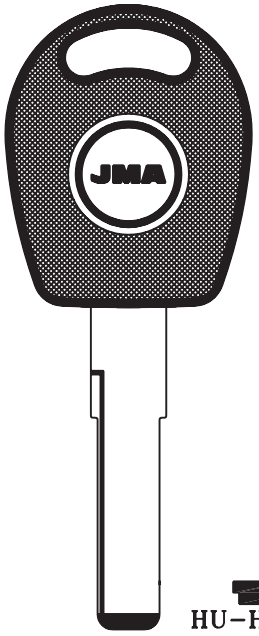
FO-24C1 FO-24C2



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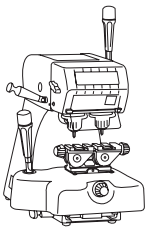

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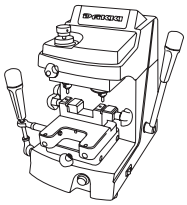

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COLUMBIA | DAYTONA

F11

P11

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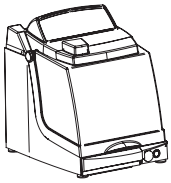

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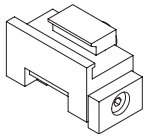

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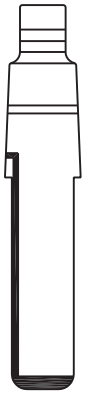

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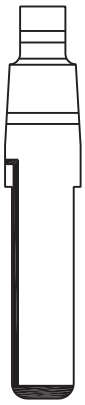

HU−HAAC2

HU−NAAC2

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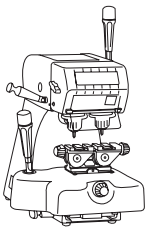

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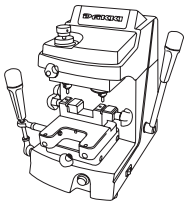

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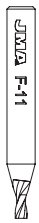
COLUMBIA | DAYTONA



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P11

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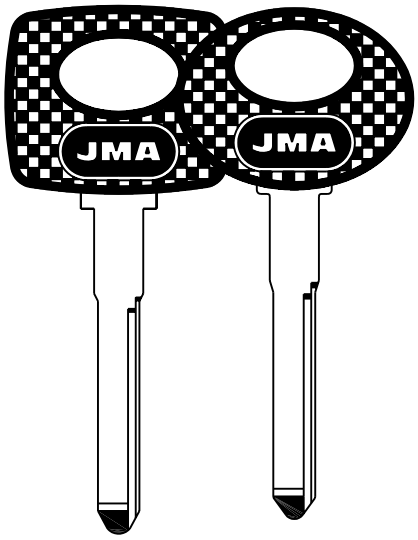

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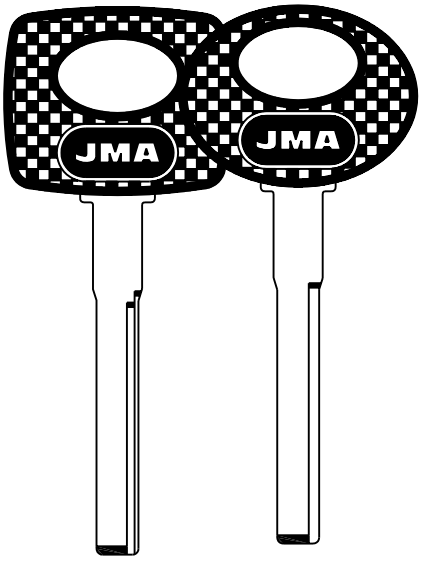

ME-10.P ME-12.P

ME-11.P

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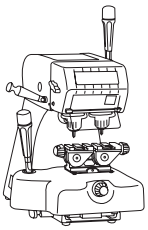

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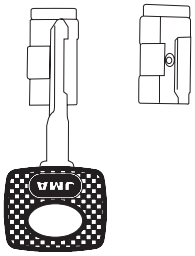

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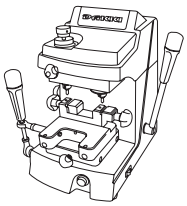
DAKKI

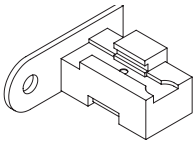


OPTIONAL COPY

COLUMBIA | DAYTONA

XCODE

F11W



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OP-11C1

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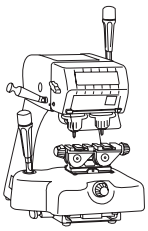

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P11

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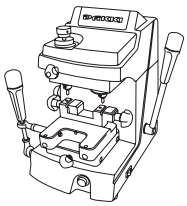

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COLUMBIA | DAYTONA

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OP–WHC1

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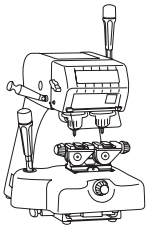

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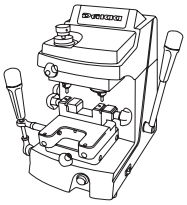

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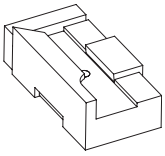
COLUMBIA | DAYTONA

F11

P11



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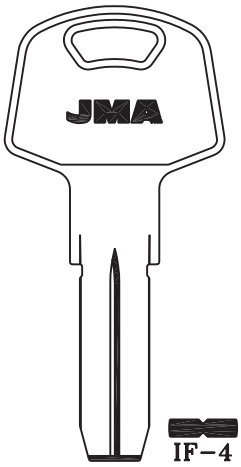

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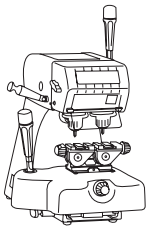
DAKAR – DAKAR EXPRESS



STANDARD COPY

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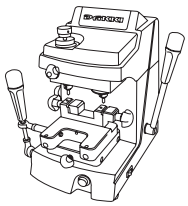
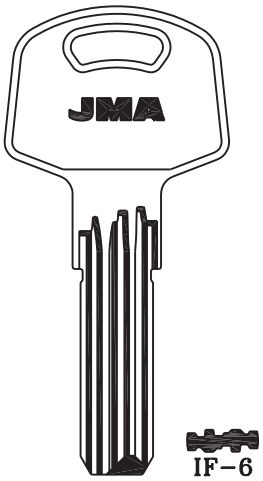


STANDARD COPY

COLUMBIA | DAYTONA

F1

P1



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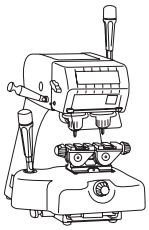
DAKAR – DAKAR EXPRESS



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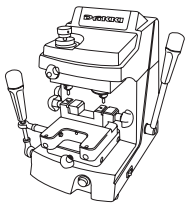

OPTIONAL COPY

COLUMBIA | DAYTONA

F19

P19

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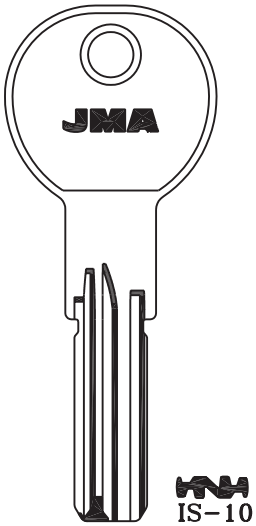

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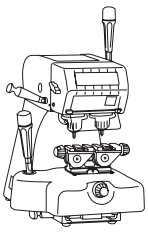

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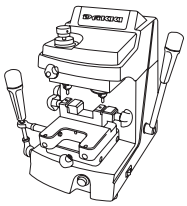

STANDARD COPY

COLUMBIA | DAYTONA

F1

P1

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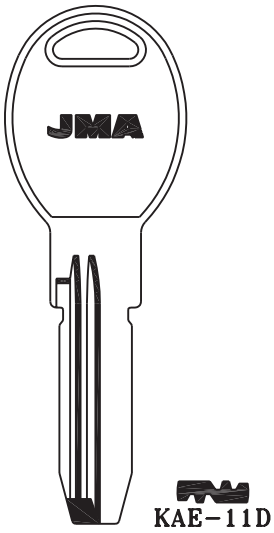

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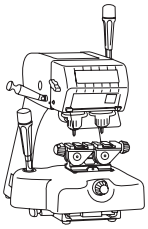

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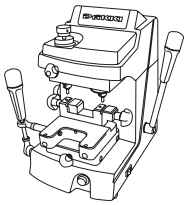


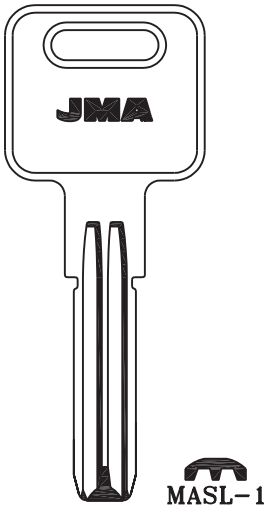
STANDARD COPY

COLUMBIA | DAYTONA

F1

P1

MASTER LOCK



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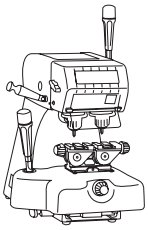

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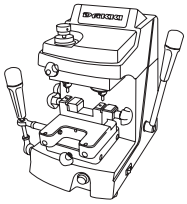


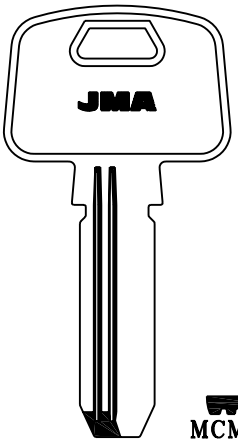
STANDARD COPY

COLUMBIA | DAYTONA

F1

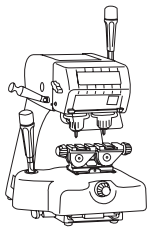
P1

MCM



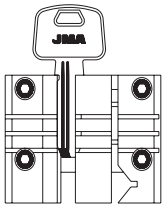
MCM−10

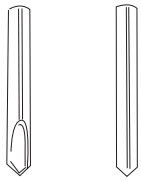
DAKAR – DAKAR EXPRESS



STANDARD COPY

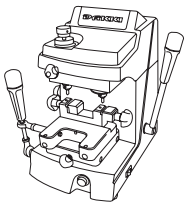
OPTIONAL COPY
DAKAR EXPRESS





F13 P13

DAKKI



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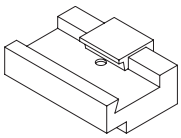

AD-MCM

COLUMBIA | DAYTONA

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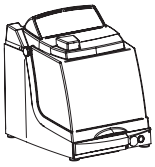

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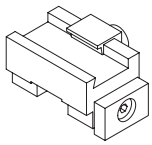

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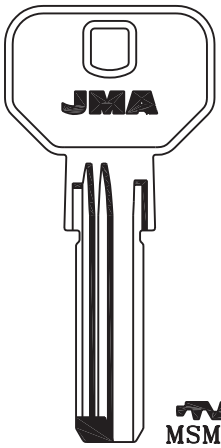
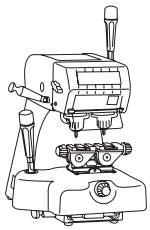


MSM−1

DAKAR – DAKAR EXPRESS



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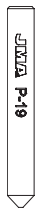
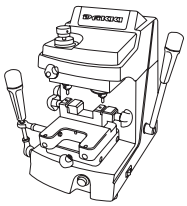


F19 P19

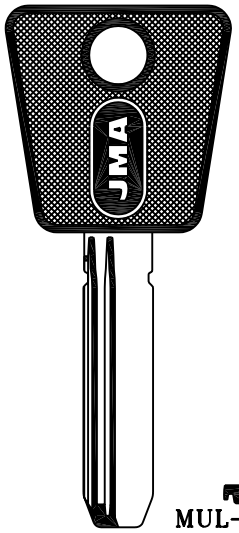
DAKKI



OPTIONAL COPY

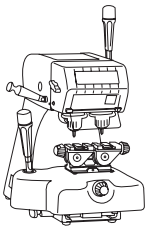
COLUMBIA | DAYTONA

MUL.T.LOCK



MUL–T10.P

DAKKI



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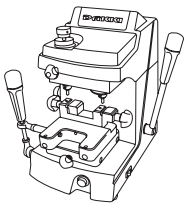


OPTIONAL COPY

COLUMBIA | DAYTONA

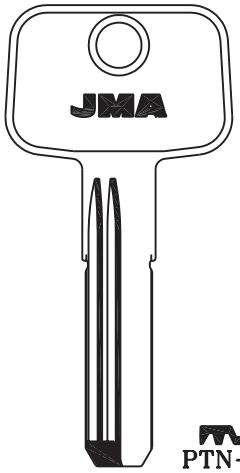
F12A

F12B

P12A

P12B

POTENT



PTN–1D

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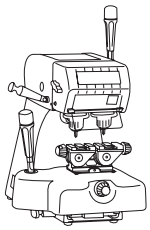

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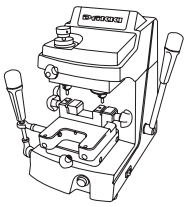


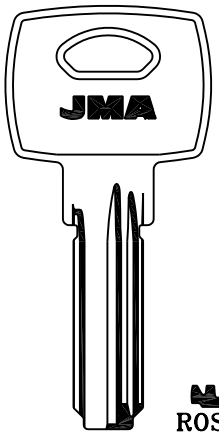
OPTIONAL COPY

COLUMBIA | DAYTONA

F5
F19

P5
P19

ROSSETTI



ROSE–1

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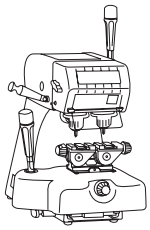
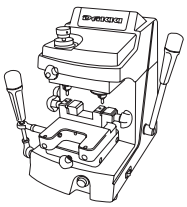


STANDARD COPY

DAKKI



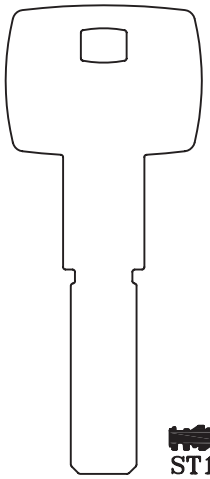
STANDARD COPY

COLUMBIA | DAYTONA

F1

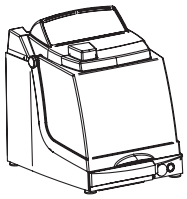
P1

STS



ST15

XCODE *(Password Protected– STS authorization)*



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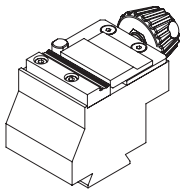
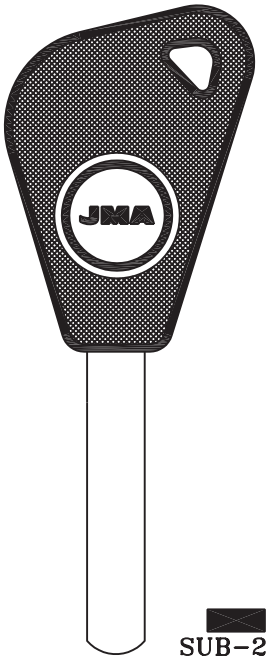


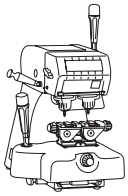
M5

SUBARU



SUB–2.P

DAKAR – DAKAR EXPRESS



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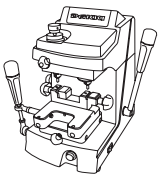
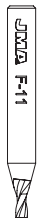
DAKKI



OPTIONAL COPY

COLUMBIA | DAYTONA



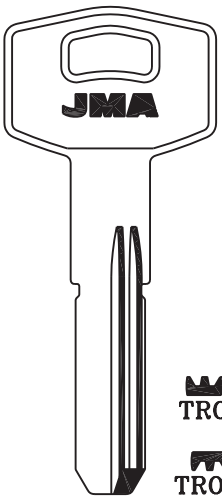
F11

P11

XCODE

F11W

TARONI



TRO–1

TRO–1D

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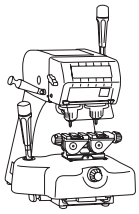
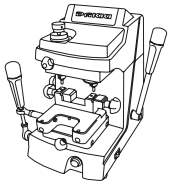


STANDARD COPY

DAKKI



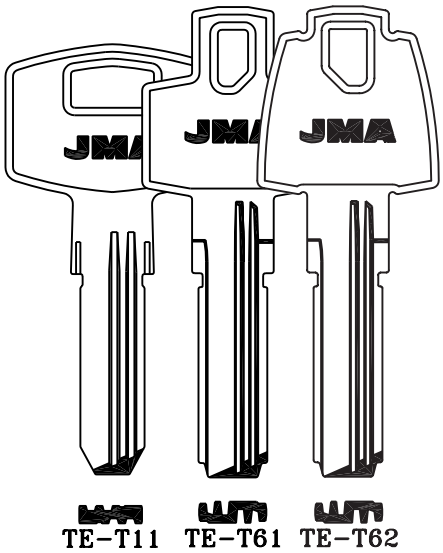
STANDARD COPY

COLUMBIA | DAYTONA

F1

P1

TESA



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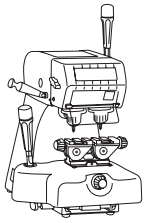

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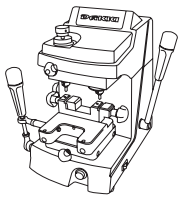

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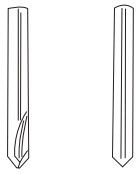
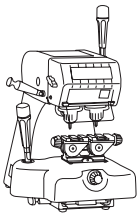
COLUMBIA | DAYTONA



F5 P5

TOYOTA

DAKAR – DAKAR EXPRESS



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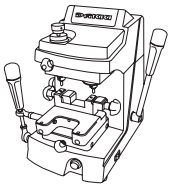

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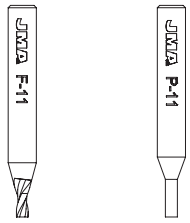
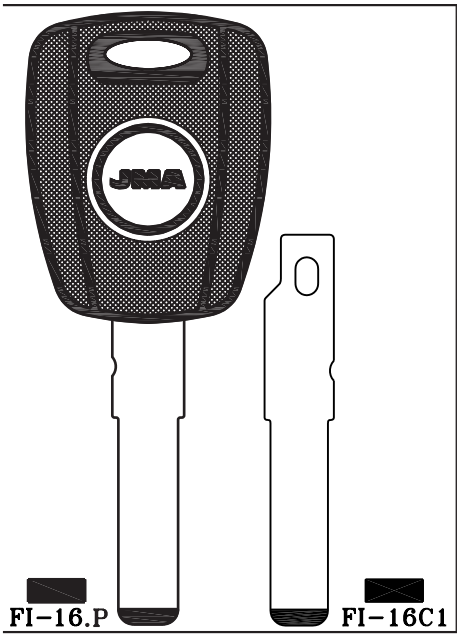
COLUMBIA | DAYTONA



F11 P11

TRW-SIPEA



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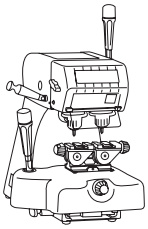

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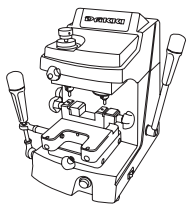

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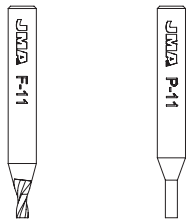
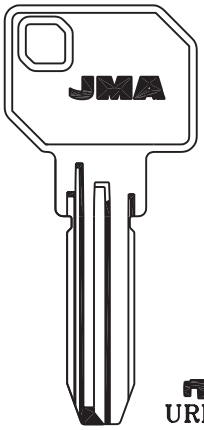
COLUMBIA | DAYTONA



F11 P11

URBIS



URB−3D

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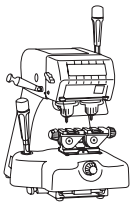

STANDARD COPY

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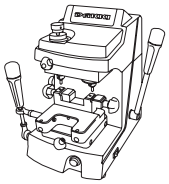
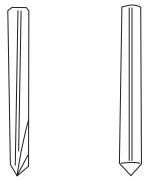


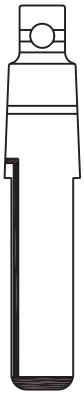
STANDARD COPY

COLUMBIA | DAYTONA

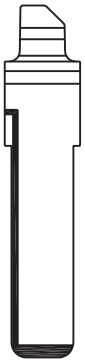


F1 P1

VALEO



HU−HAAC3



HU−HAAC4

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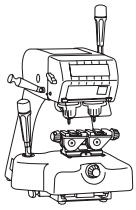

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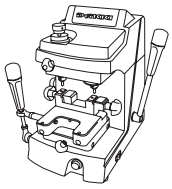

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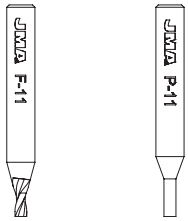
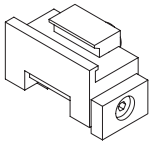
COLUMBIA | DAYTONA



F11 P11

XCODE

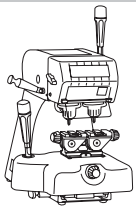
F11W



AD-AU

PEU−1C1

DAKAR – DAKAR EXPRESS



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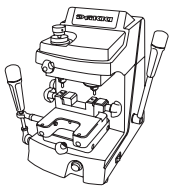
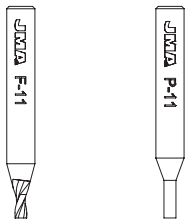


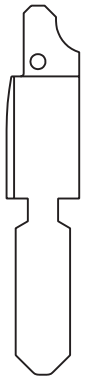
OPTIONAL COPY

COLUMBIA | DAYTONA



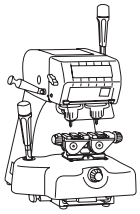
F11 P11

VALEO



PEU-2C1

DAKAR – DAKAR EXPRESS



OPTIONAL COPY

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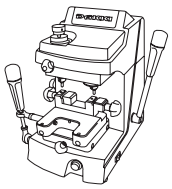
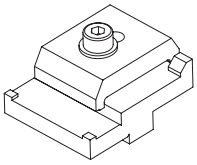


OPTIONAL COPY

COLUMBIA | DAYTONA

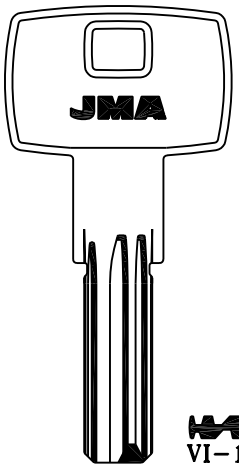
F11

P11



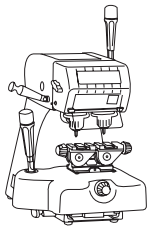
AD-MJ

VIRO



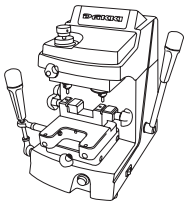
VI-14

DAKAR – DAKAR EXPRESS



STANDARD COPY

DAKKI



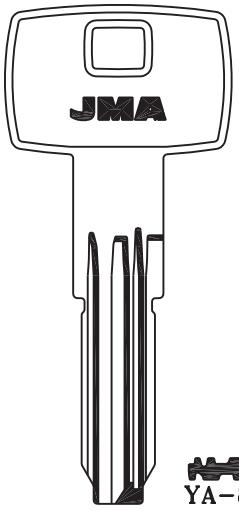
STANDARD COPY

COLUMBIA | DAYTONA

F1

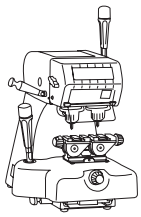
P1

YALE



YA-81

DAKAR – DAKAR EXPRESS



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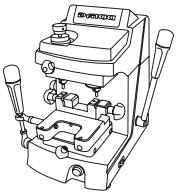
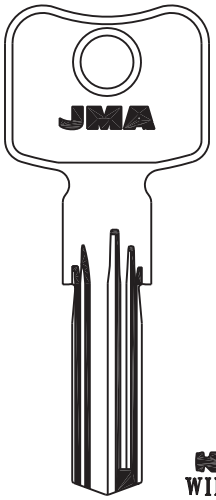


STANDARD COPY

COLUMBIA | DAYTONA

F1

P1



WIL-22

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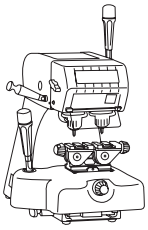

STANDARD COPY

F1

P1

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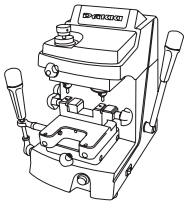


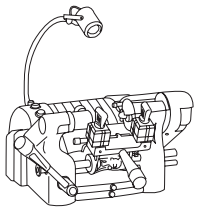
STANDARD COPY

COLUMBIA | DAYTONA

XCODE

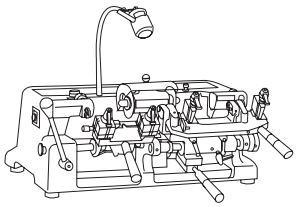
F1

DAKOTA EXTRA - TITAN - TITAN MASTER



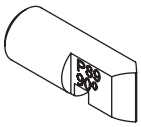
OPTIONAL COPY

SARATOGA

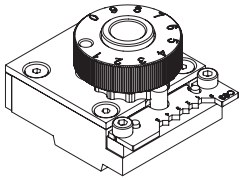


OPTIONAL COPY

CODE ⟶ B



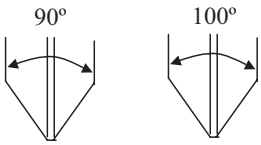
CODE ⟶ C



CODE ⟶ A

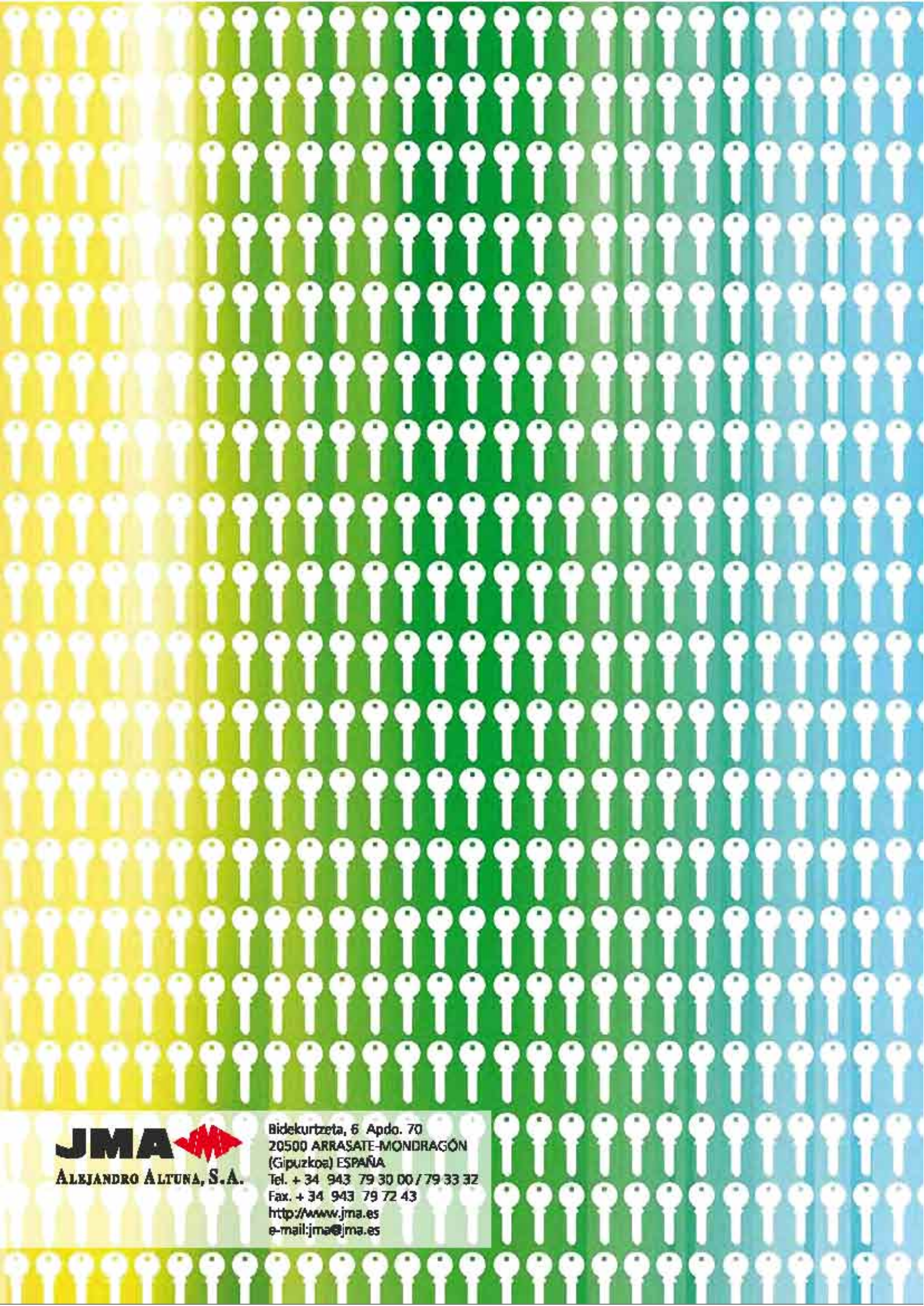
MARCA	LLAVE	MORDAZA (A)	FRESA (B)		PALPADOR (C)	
			SPECIAL	UNIVERSAL	SPECIAL	UNIVERSAL
ABUS	Original XP	AB-744	FP44		P84	
AZBE	AZ-1D	AZ-507		FP49		P89
	AZ-1I					
	AZ-17D					
FAB	FB-2D	FB-489	FP41	FP50	P81	P90
	FB-2I					
	FB-4					
	FB-5					
	FB-6					
	FB-7					
	FB-8					
	FB-9					
	FB-10					
	FB-11					
	FB-12					
	FB-13					
	FB-14					
	FB-15					
	FB-16					
	FB-17					
	FB-18					
	FB-26					
	FB-27					
	FB-28					
	FB-29					
	FB-30					
	FB-32					
GEGE	Pextra FLEX	RU-808		FP49		P89
RUKO	RU-5D	RU-488	FP42	FP49	P82	P89
	RU-5I					
	RU-6I					
	RU-9D					
	RU-9I					
	RU-11D					
	RU-12D					
	RU-14D					
TESA	TE-8I	TE-476	FP43	FP49	P83	P89

UNIVERSAL:



FP89 **FP90**

SPECIAL: Palpador y fresas con el perfil de corte.
Milling cutter and tester with the profile of the bitting.



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