

CEE.01

***CATÁLOGO ESPECIALISTA
MÁQUINAS ELECTRÓNICAS
ELECTRONIC MACHINE
SPECIALIST'S GUIDE***

4 Máquinas duplicadoras. Supracode, Multicode, Avantcode

Makina kopiatzaileak. Supracode, Multicode, Avantcode
Key-cutting machines. Supracode, Multicode, Avantcode
Machines à reproduire. Supracode, Multicode, Avantcode

10 JMA es Compromiso

JMA Konpromisoa da
JMA is Commitment
JMA, l'engagement
JMA bedeutet Verpflichtung

11 Aviso legal

Mezu Legala
Legal Warning
Informations Légales
Rechtliche Hinweise

12 Fresas - Adaptadores - Símbolos

Fresak - Adaptadoreak - Ikurrak
Milling cutters - Adaptors - Aymbols
Fraises - Adaptateurs - Symboles
Fräser - Adapter - Symbole

15 - 46 LLAVES

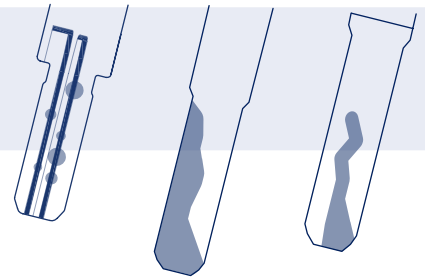
GILTZAK
KEYS
CLÉS
SCHLÜSSEL

15 - 22 Llaves serreta

Giltza zapalak
Flat keys
Clés plates
Zylinderschlüssel

23- 46 Llaves de puntos y regata

Puntu eta regata giltzak
Dimple and channel keys
Clés à points et a vagues
Bohrmulden- und bahnenschlüssel



DUPLICADO Y GRABADO EN UNA SOLA MÁQUINA

KEY CUTTING AND ENGRAVING IN A SINGLE MACHINE

La Supracode es la nueva máquina electrónica profesional de JMA para corte a código y descodificación de llaves de seguridad y de automoción. Incorpora por primera vez un grabador automático de texto en la cabeza de la llave, sin intervención del operario. Esta máquina está pensada para el duplicador profesional que busca un mecanizado preciso y rápido

Supracode is the latest electronic machine for professionals from JMA for code cutting and decoding high security and vehicle keys. It includes the first automatic device for engraving text onto the key grip, no operator actions required. This machine is designed for professional key cutters seeking precise and fast machining

CARACTERÍSTICAS TÉCNICAS

TECHNICAL FEATURES

Alimentación:
100/240V a.c. - 50/60HZ

Potencia:
300W sin sistema de aspiración de viruta
(1.200W con sistema de aspiración de viruta)

Fresa:
De metal duro integral y recubrimiento antidesgaste

Mordaza:
Con garras intercambiables

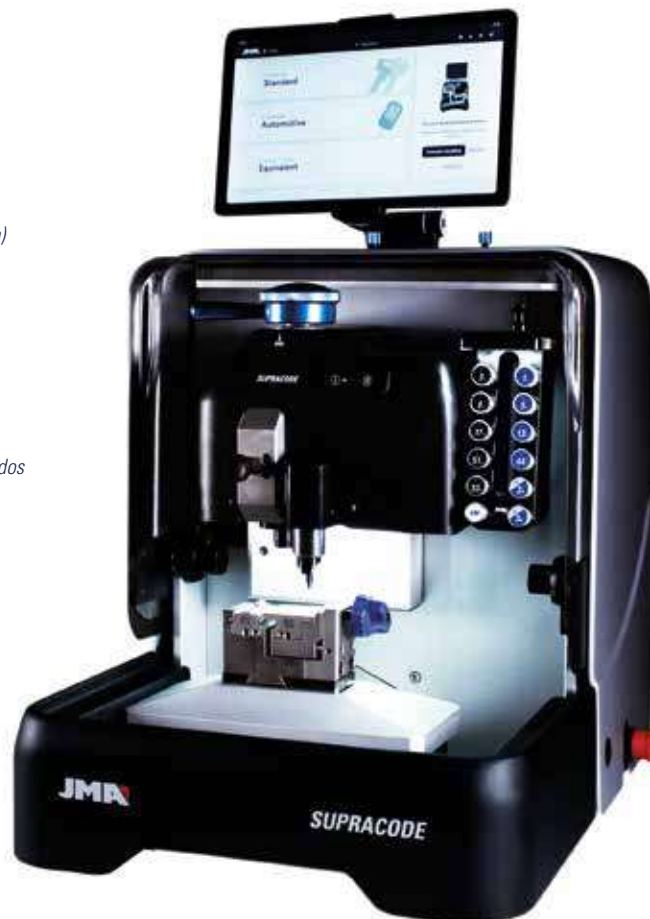
Desplazamientos:
Con husillo a bolas accionado por motor paso a paso sobre guías de rodillos rectificadas

Recorrido carros:
X= 60 mm
Y= 71 mm
Z= 30 mm

Iluminación:
LED.

Dimensiones:
Anchura= 390 mm
Profundidad= 530 mm
Altura= 460 mm
Altura (con tablet incorporada)= 650 mm

Peso:
44 Kg



Power supply:
100/240V a.c. - 50/60HZ

Output power:
300W without swarf aspiration system
(1,200W with swarf aspiration system)

Cutter:
Made entirely from hard metal with an anti-wear coating

Clamp:
With interchangeable clamps

Movements:
With motor-controlled ball screw step-by-step on rectified roller guides

Carriage travel:
X= 60 mm
Y= 71 mm
Z= 30 mm

Lighting:
LED.

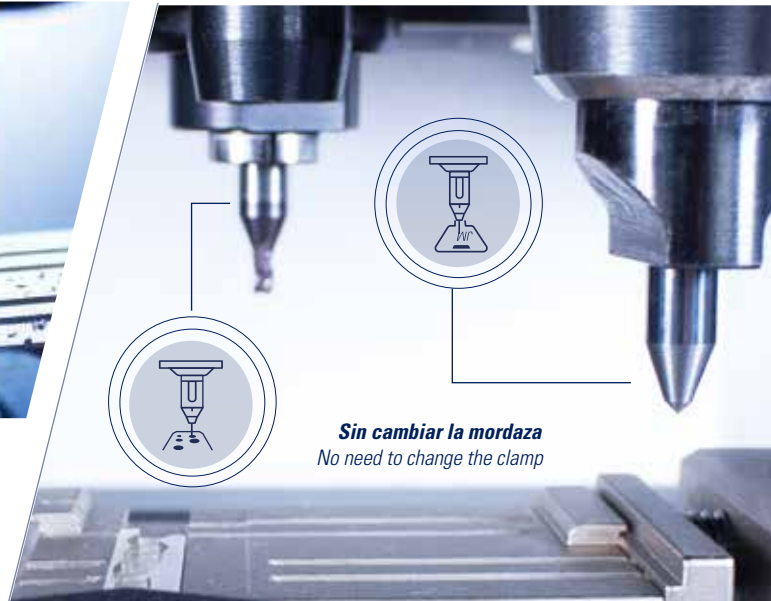
Dimensions:
Width = 390 mm
Depth = 530 mm
Height = 460 mm
Height (with tablet built-in) = 650 mm

Weight:
44 Kg

SUPRACODE



**CORTE MÁS PRECISO, RÁPIDO
Y SENCILLO DE LLAVES DE
SEGURIDAD Y AUTOMOCIÓN**
MORE PRECISE, FASTER AND
SIMPLE CUTTING OF HIGH
SECURITY AND VEHICLE KEYS



Sin cambiar la mordaza
No need to change the clamp

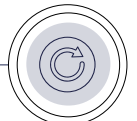
**MARCAJE RÁPIDO,
SILENCIOSO Y PRECISO
GRACIAS AL SISTEMA
DE RAYADO**
FAST, SILENT AND PRECISE
MARKING THANKS TO THE LINE
ENGRAVING SYSTEM



NUEVA APP JMAKEYPRO 2.0 NEW JMAKEYPRO 2.0 APP

**NUEVA INTERFAZ
FÁCIL E INTUITIVA**
Explica fielmente
cómo realizar
los pasos del trabajo

NEW EASY AND INTUITIVE INTERFACE
Step-by-step instructions
that are easy to follow



**ACTUALIZACIONES
CONTINUAS**
De llaves y software

CONSTANT UPDATES
For keys and software



**BÚSQUEDAS
MÁS RÁPIDAS**
Y mayor velocidad
de gestión de datos

FASTER SEARCHES
And faster data
management speeds

SINCRONIZADA CON JMA CLOUD PRO SYNCHRONISATION WITH JMA CLOUD PRO



- Guarda los datos de tus clientes en la nube y accede a ellos donde quieras.
- Importa planes de amaestramiento y corta sus llaves
- Mantén una copia de tus datos sin depender de la tablet de la máquina.

- Save your customer data in the cloud and access it wherever you want.
- Import master key plans and cut the keys.
- Keep a copy of your data without depending on the machine's tablet.

Multifuncionalidad, rapidez y tecnología son las palabras que describen a MULTICODE, la nueva máquina electrónica JMA para el duplicado de llaves. MULTIFUNCIONALIDAD, porque este modelo ofrece una solución profesional 'todo en uno', con la que podrá leer y cortar llaves planas, de seguridad y de automoción sin cambiar de máquina.

Su RAPIDEZ se demuestra en la potencia de su motor, que permite una gran velocidad de corte y el mecanizado de la llave en una sola pasada. Todo ello con la precisión que usted y sus clientes exigen.

La TECNOLOGÍA de Multicode, desarrollada por JMA tiene su máximo exponente en la app JMAKEYPRO que podrá manejar desde la tablet con pantalla táctil que incluye la máquina. Este software (de muy sencilla actualización a través de "Google Play Store") incluye el catálogo de llaves JMA y sus equivalencias, una herramienta de máxima utilidad para el duplicado.

MULTICODE es un modelo pensado para aquellos profesionales que quieren expandir su negocio de duplicado de llaves. Gracias a su tamaño compacto, podrá utilizarla en espacios reducidos y, por su velocidad, podrá producir una gran cantidad de llaves para dar servicio a un número creciente de clientes.

Multifunctionality, speed and technology are the words that describe MULTICODE, the new JMA electronic machine for copying keys. MULTIFUNCTIONALITY, because this model offers an all-in-one professional solution that will enable you to read and cut to code cylinder, dimple and vehicle keys without needing to switch machines.

Its SPEED can be seen in the power of its motor, which allows for a fast cutting speed and keys to be cut in a single motion. All without sacrificing the precision that you and your customers demand.

The finest example of the TECHNOLOGY in Multicode (developed by JMA) lies in the JMAKEYPRO app, which you can operate using the touchscreen tablet incorporated into the machine. This software (very easy to update via the "Google Play Store") includes the catalogue of JMA keys and their equivalents, a highly useful tool for key copying.

MULTICODE is a model designed for those professionals who wish to expand their key cutting business. Thanks to its compact size, it can be used in small spaces and its speed enables a large number of keys to be produced in a short time, thus meeting the demands of your growing customer base.

CARACTERÍSTICAS TÉCNICAS TECHNICAL FEATURES

Alimentador
24V d.c.-7,5 Amp.-180W

Fresa prismática (llaves planas)
Acero rápido 1100rpm

Fresa cilíndrica (llaves de puntos o regata)
Metal duro 12000rpm

Mordaza estándar
Mp1 4 caras

Mordaza llaves puntos o regata
Garras intercambiables de 2 caras

Anchura
427 mm

Altura con soporte+tablet
612 mm

Altura sin soporte+tablet
431 mm

Profundidad
413 mm

Peso
27Kg

Recorrido útil
X = 45mm / Y = 45mm / Z = 30mm

Desplazamiento
Con husillo de bolas accionadas por motores paso a paso sobre guías de rodillos rectificadas

Iluminación
Diodos de Led

Área de trabajo cerrada con detector de apertura

Botón de parada de emergencia

Conector USB
Tipo A (Carga) / Tipo B

Feeder
24V d.c.-7,5 Amp.-180W

Prismatic cutter (flat keys)
High speed steel* 1100rpm

Cylindrical cutter (security keys)
Carbide 12000rpm

Standard clamp (flat keys)
4-faced MP1

Clamp for dimple or sidewinder keys
2-faced interchangeable claws

Width
427 mm

Height with tablet support mount
612 mm

Height without tablet support mount
431 mm

Depth
413 mm

Weight
27Kg

Effective travel
X = 45mm / Y = 45mm / Z = 30mm

Displacement
With ball screw driven by stepper motors on rectified roller guides.

Lightning
Led diodes

Enclosed work area with access detection

Emergency shut-off button

Conector USB
Tipo A (Carga) / Tipo B



MULTICODE



**COPIA LLAVES PLANAS,
DE SEGURIDAD Y DE
AUTOMOCIÓN**

COPIES CYLINDER, DIMPLE AND
VEHICLE KEYS



*La app JMAKeyPro se maneja a través de la tablet
con pantalla táctil e incluye todo el catálogo de
llaves JMA y sus equivalencias.*

*The JMAKeyPro app is operated through a touchscreen
tablet and includes the entire catalogue of JMA keys and
their equivalents.*

**MECANIZADO EN UNA SÓLA
PASADA GRACIAS A SU
POTENTE MOTOR Y UNA
GRAN VELOCIDAD DE CORTE.**

*A POWERFUL MOTOR FOR
CUTTING KEYS FAST AND
A SINGLE MOTION.*



GARRAS INTERCAMBIABLES INTERCHANGEABLE CLASPS

*Mordaza para llaves de seguridad
con garras intercambiables. Incluye el
innovador sistema de uso doble de cada
garra.*

*Versatile clamp with interchangeable inserts
for dimple and vehicle keys. Includes the
innovative dual purpose system on each clasp.*



ACTUALIZACIONES UPDATES



SOPORTE SUPPORT



PORTAHERRAMIENTAS TOOL HOLDER



SEGURIDAD SAFETY



Avantcode es la máquina electrónica de nueva generación mas avanzada JMA para duplicar llaves de cilindro y coches, que permite el dentado de llaves de un lado y doble lado de mecanizado. Su velocidad y robustez garantiza la calidad óptima de corte al duplicar las llaves.

Avantcode is the most advanced JMA electronic machine with the latest technology for duplicating single or double sided cylinder and vehicle keys. It's fast and robust to guarantee optimum quality of cut for key duplication.

CARACTERÍSTICAS TÉCNICAS TECHNICAL FEATURES



Alimentador eléctrico

230V – 50/60Hz

Motor

Monofásico 50Hz, 0.25Kw, 2350 rpm

Fresa

Metal duro 70 x 16 x 5,25mm

Velocidad de giro fresa

1500rpm

Mordazas

De cuatro lados.

Desplazamiento

Con husillo de bolas accionadas por motores paso a paso sobre guías de rodillos rectificadas

Cursos útiles

X= 40mm.

Y= 100mm.

Alumbrado

Diodo Led.

Dimensiones

Profundidad: 650mm, Ancho: 495mm, alto: 420mm.

Peso

55 Kg

Display

Pantalla táctil (Touch Screen LCD) de 5, 7".

Electrical connection

230V – 50/60Hz

Motor

Single phase 50Hz, 0.25Kw, 2350 rpm

Milling cutter

Hard metal 70 x 16 x 5,25mm

Milling machine turning speed

1500rpm

Clamps

Four-sided

Moving

Motor-driven ball screws
Step by step over guides with refaced rollers.

Useful paths

X= 40mm.

Y= 100mm.

Lighting

Diode Led.

Dimensions

Depth: 650mm, Width: 495mm, Height: 420mm

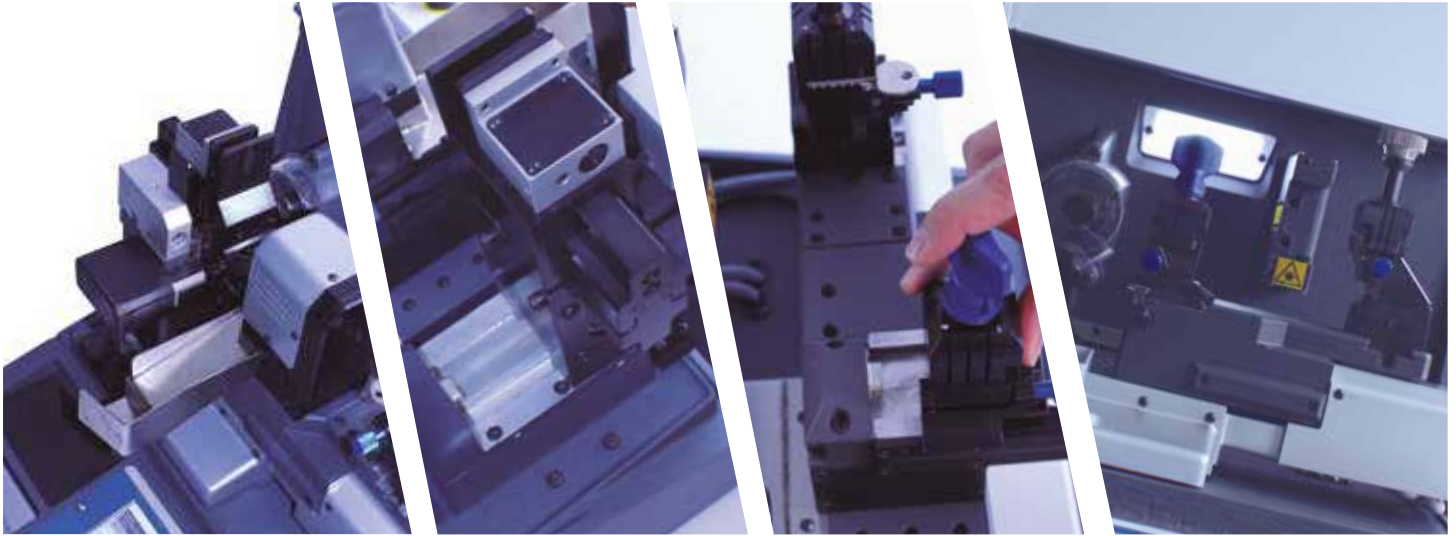
Weight

55 Kg

Display

Touch Screen LCD measuring 5, 7"

AVANTCODE



**Lee y corta la llave simultáneamente, decodificación de la llave, con lectura directa de las alturas reales de la llave mostrándolos en pantalla.
La primera en poder guardar lecturas de llaves desconocidas, para su posterior duplicado sin necesidad de la llave original.**

*Reads and cuts the key simultaneously, decoding the key, with direct reading of the actual heights of the key, while displaying them on the screen.
The first machines able to save readings from unknown keys for later duplication with no need for the original key.*

LECTURA DE ALTA PRECISIÓN HIGH PRECISION READING

**Lee y corta la llave simultáneamente, decodificación de la llave, con lectura directa de las alturas reales de la llave mostrándolos en pantalla.
La primera en poder guardar lecturas de llaves desconocidas, para su posterior duplicado sin necesidad de la llave original.**

Reads and cuts the key simultaneously, decoding the key, with direct reading of the actual heights of the key, while displaying them on the screen. The first machines able to save readings from unknown keys for later duplication with no need for the original key.



DISPLAY GRÁFICO GRAPHIC DISPLAY



FÁCIL DE CONECTAR EASY TO CONNECT



CONTACTO ELÉCTRICO ELECTRIC CONTACT



NUESTRO ÉXITO ESTÁ BASADO EN EL COMPROMISO DE LAS PERSONAS

Alejandro Altuna S.L.U. es la sociedad matriz e impulsora de Altuna Group. Fabrica todo tipo de llaves para cerradura así como máquinas duplicadoras. Sus productos van destinados al mercado OEM y a la reposición, en este caso con la marca JMA.

Fundada por el Sr. Alejandro Altuna en 1942 arrancó su actividad en Mondragón. Posteriormente, la estrategia de apertura de mercados exteriores apoyada en la internacionalización y siempre basada en un enfoque innovador de los procesos industriales, ha convertido a ALTUNA GROUP en el primer productor de llaves europeo y referente mundial en este campo.

Actualmente, 15 compañías en 4 continentes trabajan conjuntamente para el desarrollo y potenciación de la fuerza de nuestra marca JMA, conocida en más de 100 países en todo el mundo.

JMA integra equipos de personas comprometidas y motivadas por un proyecto común que nos ha permitido ser el mayor fabricante de llaves de Europa.

OUR SUCCESS IS BASED ON OUR PEOPLE'S COMMITMENT

Alejandro Altuna S.L.U. is the parent company and driving force behind the Altuna Group. It manufactures all types of lock-keys and key-cutting machines. Its products are for the OEM and replacement markets, in the latter case with the JMA brand.

Set up by Alejandro Altuna in 1942, it started the production in Mondragón (Spain). Later, the strategy of opening up to foreign markets backed by globalisation and always based on an innovative attitude towards industrial processes, turned the ALTUNA GROUP into the largest producer of keys in Europe and a benchmark worldwide in the field.

Currently 15 companies in four continents work together to develop the strength of our JMA brand, well known in more than 100 countries all over the world.

This successful trail that leaded us to be the biggest key producer in Europe is based in our people's commitment to be:

LIDER EN TECNOLOGÍA:

Una apuesta sólida por la calidad y la innovación basada en la automatización y garantía de procesos y soportada por una vocación inversora a largo plazo.

LIDER EN CALIDAD:

Nuestra política de calidad se basa en la prevención y planificación, mejora continua, satisfacción del cliente y participación de las personas. Además de la Certificación en Calidad de acuerdo a la ISO 9001, Alejandro Altuna S.L.U. acoge Sistemas de Gestión de la Calidad homologados por las empresas líderes del sector de automoción y residencial.

LIDER EN EL COMPROMISO POR EL MEDIO AMBIENTE:

En Alejandro Altuna S.L.U. las buenas prácticas medioambientales son la norma y no la excepción. Nuestro equipo forma parte de un proyecto de empresa respetuoso con el medioambiente y que colabora con el desarrollo sostenible de nuestro entorno. Alejandro Altuna S.L.U. fue el primer fabricante mundial de llaves en conseguir en 2000 el certificado ISO 14001 para su Sistema de Gestión.

LIDER EN SERVICIO:

La realidad de una empresa se demuestra en su capacidad por responder con la máxima celeridad y eficacia a las necesidades y exigencias de los clientes. Se encuentren donde se encuentren. Además, gracias a su amplia red de filiales y empresas distribuidoras repartidas por todo el mundo, le permite llegar a cualquier cliente, se cual sea su ubicación.



THE LEADER IN TECHNOLOGY,

looking for the latest developments to improve the production processes together with a strong investment policy in all our plants to ensure the company's competitiveness and long-term future.

THE LEADER IN QUALITY:

Our quality policy is based on prevention and planning, continuous improvement, customer satisfaction and people participation. In addition to Quality Certification to ISO 9001, Alejandro Altuna S.L.U. operates Quality Management Systems approved by the leading companies in the automotive and residential sectors.

THE LEADER IN THE COMMITMENT TO THE ENVIRONMENT:

At Alejandro Altuna S.L.U. best environmental practice is the norm and not the exception. Our team is part of a business project that respects the environment and contributes to the sustainable development of our community. Alejandro Altuna S.L.U. was the first key manufacturer in the world to achieve ISO 14001 certification for its management system in 2000.

THE LEADER IN SERVICE,

The efficiency of a company is shown in its capacity to respond with the maximum speed and effectiveness to the needs and requirements of its customers, wherever they are based. Moreover, with its extensive network of associate and distribution companies located throughout the world, the company can reach any customer, wherever based.

ESPAÑOL

AVISO LEGAL

Conforme a las disposiciones legales vigentes relativas a la propiedad industrial, las marcas o nombres comerciales indicados en este catálogo son propiedad exclusiva de los fabricantes de cilindros y cerraduras, así como de los fabricantes de automóviles, otros constructores, distribuidores y usuarios.

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

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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.

EUSKERA

LEGE-OHARRA

Jabetza industrialari buruz indarrean dauden lege-xedape-nekin bat etorri, katalogo honetan zehaztutako merkataritza-markak edo izenak zilindro eta sarraileen fabrikatzaileen nahiz ibilgailuen fabrikatzaileen eta beste eraikitzaile, banatzaile eta erabiltzaile batzuen jabetza eskusibokoak dira.

Merkataritza-marka edo izen horiek zehaztasun gehiago emateko adierazten dira, gure piezak zein sarrailei dagozkion berehala ikusi ahal izateko.

Katalogo hau giltzen kopiak egiteko JMA piezak erabiltzen dituzten profesionalentzako da soilik.

Katalogo honetako produktuei buruzko datuek izaera adierazgarria dute. Oinarritzko ezaugarriak gordez, produktuen bilakaeraren ondoriozko aldaketa teknikoak, estetikoak edo bestelakoak egiteko eskubidea dugu, aurretik horren berri eman beharrik gabe.

Katalogo berri honetan dauden eredueta batak JMA marka eta erreferentziarekin nahiz ALTUNA taldeko beste marka batekin jaso ahal izango dira.

ENGLISH

LEGAL WARNING

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. 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.

FRANÇAIS

MENTIONS LEGALES

Conformément aux dispositions légales en vigueur relatives à la propriété industrielle, les marques ou les dénominations commerciales citées dans ce catalogue sont la propriété exclusive des fabricants de cylindres et de serrures ainsi que des constructeurs de voitures, autres constructeurs, distributeurs et utilisateurs.

Ces marques ou dénominations commerciales sont indiquées à titre de Single information afin de connaître rapidement à quelle serrure nos ébauches sont destinées.

Ce catalogue est exclusivement réservé aux professionnels de la reproduction de clés, utilisant des ébauches JMA.

Les renseignements sur les produits de ce catalogue sont donnés à titre indicatif. Tout en gardant les caractéristiques de base, nous nous réservons le droit d'apporter, sans préavis, des modifications techniques, esthétiques ou autres, dues à l'évolution des produits en question.

Des ébauches de ce catalogue pourront être livrées soit avec la marque et référence JMA soit avec une autre marque du groupe ALTUNA.

DEUTSCH

RECHTSHINWEIS

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.

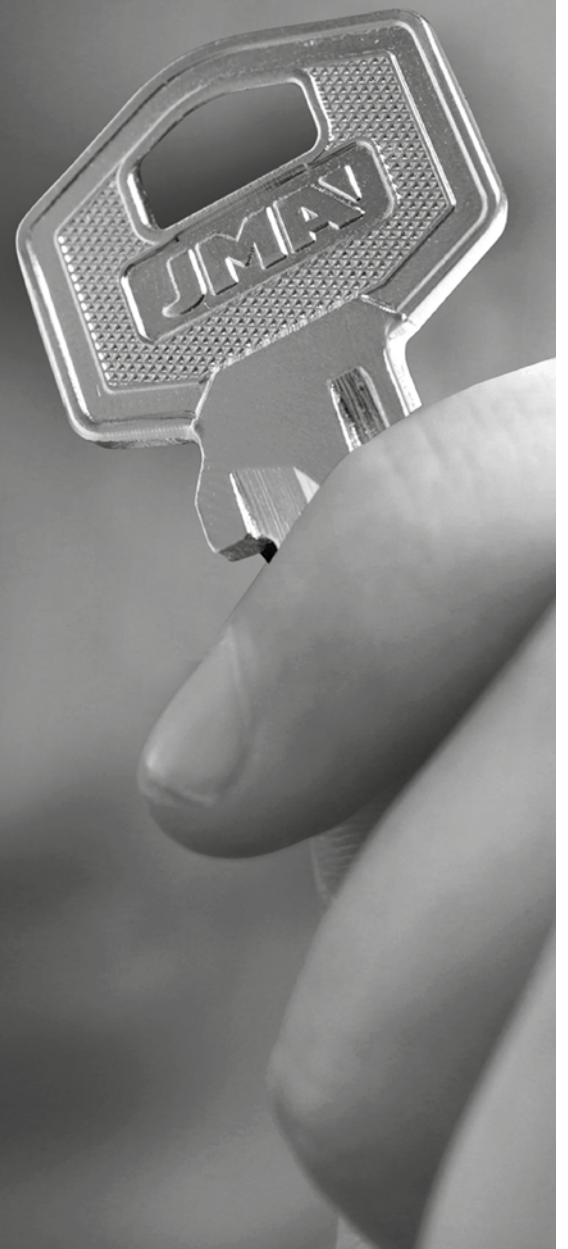
Diese Marken und Firmennamen werden nur zu Informationszwecken aufgeführt, mit dem Ziel, auf schnelle Weise zu erkennen, zu welchem Schloß unsere Teile gehören.

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. 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.

THE KEY TO EXCELLENCE

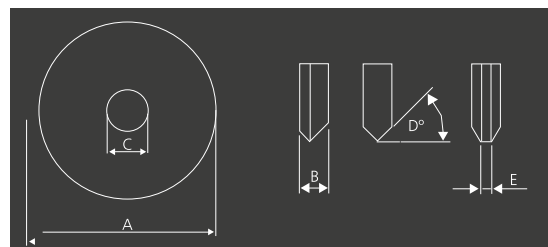
GLOBALLY UNLOCKING MILLIONS OF DOORS DAILY



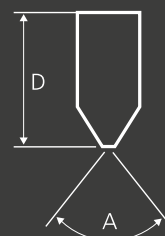
FRESAS

FRESAK - MILLING CUTTERS - FRAISES - FRÄSER

CODE	AxBxC	D	E	PARA-FOR	MAT.
FP27W	70x2,4x16			AVANTCODE	W
FP28W	70x1,7x16			AVANTCODE	W
FP36	63x1,7x16	0	1,7	MULTICODE - MULTIC.SINGLE	HSS
FP16W	70x5,25x16	40	0,1	AVANTCODE	W
FP34	63x5,25x16	40	0,1	MULTICODE - MULTIC.SINGLE	HSS

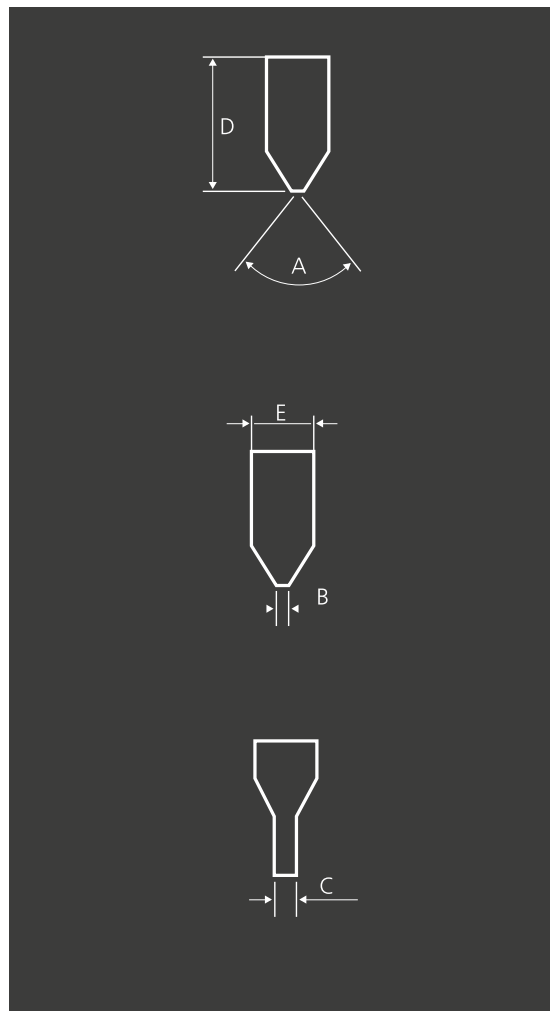


CODE	A	B	C	D	E	PARA-FOR	MAT
F1A	90	0,8		45	8	SUPRACODE	HSS
F1W	90	0,8		45	6	SUPRACODE	W
F3W			1,5	45	6	SUPRACODE	W
F5W	90	0,9		45	6	SUPRACODE	W
F6	106	1		45	6	SUPRACODE	HSS
F7	70	0,8		45	6	SUPRACODE	HSS
F8W			4	45	6	SUPRACODE	W
F11W			2,5	45	6	SUPRACODE	W
F12A	100	0,6		45	6	SUPRACODE	HSS
F12B	100-90	2,1-2,9		45	6	SUPRACODE	HSS
F13W	100	0,8		45	6	SUPRACODE	W
F14	100	1,45		45	6	SUPRACODE	HSS
F16	130	0,6		45	6	SUPRACODE	HSS
F17W			3	45	6	SUPRACODE	W
F19W	90	1,2		45	6	SUPRACODE	W
F21	85	0,72		45	6	SUPRACODE	HSS
F22			2,4	45	6	SUPRACODE	HSS
F23W	90	0,8	3,3	45	6	SUPRACODE	W
F24W	95	1		45	6	SUPRACODE	W
F25W	95	1,1		45	6	SUPRACODE	W
F27W	90	0,7		45	6	SUPRACODE	W
F28W	60	1,4		45	6	SUPRACODE	W
F29W	100	0,6		45	6	SUPRACODE	W
F30W	100	0,5		45	6	SUPRACODE	W
F31W	90	0,6		45	6	SUPRACODE	W
F32W	90	0,6	3	45	6	SUPRACODE	W
F33W			2	45	6	SUPRACODE	W
F34	90	1,4		45	6	SUPRACODE	HSS
F35W	90	3	3	45	6	SUPRACODE	W
F39W	90	0,8	2,7	45	6	SUPRACODE	W
F40W	90	0,2		45	6	SUPRACODE	W
F41W	90	0,56		45	6	SUPRACODE	W
F45W			2,7	45	6	SUPRACODE	W
F46W			1,8	45	6	SUPRACODE	W
F49W	83	0,8		45	6	SUPRACODE	W
F51W			1,3	45	6	SUPRACODE	W
F52W	97	0,6	2,6	45	6	SUPRACODE	W
F53W	90	0,8	2,2	45	6	SUPRACODE	W



CODE	A	B	C	D	E	PARA-FOR	MAT
FBW	90-90	2,7-3,3		45	6	SUPRACODE	W
FCW	80-80			45	6	SUPRACODE	W
FI2W	90	0,4		45	6	SUPRACODE	W
FI3W	100	0,4		45	6	SUPRACODE	W
FS31	60	1,28		48	6	SUPRACODE	W

1F		2,5		30	6	MULTICODE- MULTIC.DUPLA	W
2F	90	0,4		30	6	MULTICODE- MULTIC.DUPLA	W
3F	100	0,4		30	6	MULTICODE- MULTIC.DUPLA	W
4F	90	0,2		30	6	MULTICODE- MULTIC.DUPLA	W
5F	90	0,6	3	30	6	MULTICODE- MULTIC.DUPLA	W
6F	90	0,8	3,3	30	6	MULTICODE- MULTIC.DUPLA	W
7F	60	1,4		30	6	MULTICODE- MULTIC.DUPLA	W
8F		3	3	30	6	MULTICODE- MULTIC.DUPLA	W
9F		2		30	6	MULTICODE- MULTIC.DUPLA	W
10F	83	0,8		30	6	MULTICODE- MULTIC.DUPLA	W
11F	97	0,6	2,6	30	6	MULTICODE- MULTIC.DUPLA	W
12F		1,5		30	6	MULTICODE- MULTIC.DUPLA	W
13F	90	1,2		30	6	MULTICODE- MULTIC.DUPLA	W
14F		1,2		30	6	MULTICODE- MULTIC.DUPLA	W
15F	60	1,28		30	6	MULTICODE- MULTIC.DUPLA	W
16F	100	0,8		30	6	MULTICODE- MULTIC.DUPLA	W
17F	90	0,8	2,2	30	6	MULTICODE- MULTIC.DUPLA	W
18F		1,3		30	6	MULTICODE- MULTIC.DUPLA	W
19F		4		30	6	MULTICODE- MULTIC.DUPLA	W
21F		1,8		30	6	MULTICODE- MULTIC.DUPLA	W



ADAPTADORES

ADAPTADOREAK - ADAPTORS - ADAPTATEURS - ADAPTER

ADM	AD-SP	AV1	AV2	AV3	AV5
AD-BR	ADK	AV4			

SÍMBOLOS

IKURRAK - SYMBOLS - SYMBOLES - SYMBOLE

STD

Incluido en máquina estándar /
Included in standard machine



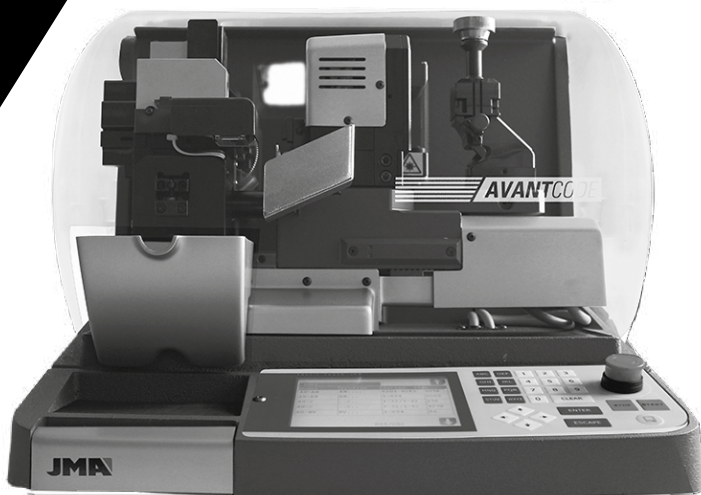
Protegido por password-se requiere autorización
/ Password Protected- Authorization required

LLAVES DE SERRETA FLAT KEYS



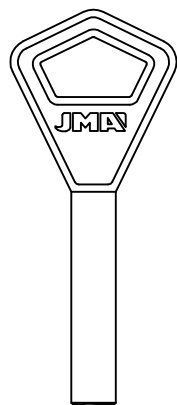
MULTICODE

***MULTICODE
SINGLE***



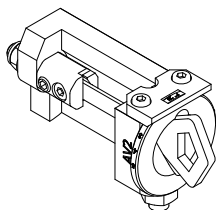
AVANTCODE

*GILTA ZAPALAK
CLÉS PLATES
ZYLINDERSCHLÜSSEL*



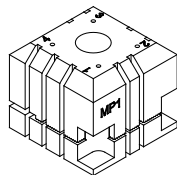
ABL-1

AV2

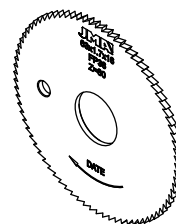


MP1

STD

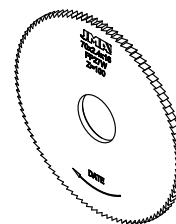


FP36

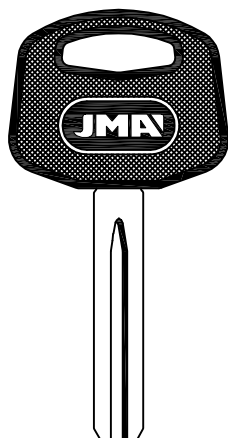


Multicode
Multicode Single

FP27W

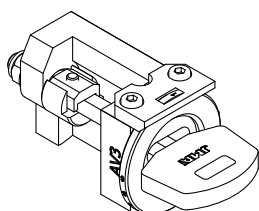


Avantcode



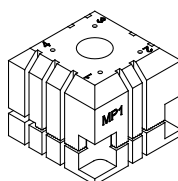
ABU-29.P

AV3

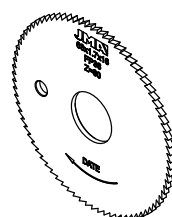


MP1

STD

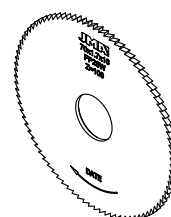


FP36



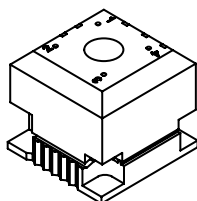
Multicode
Multicode Single

FP28W



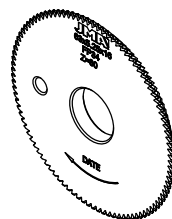
Avantcode

MP1-ABP



FP34

STD



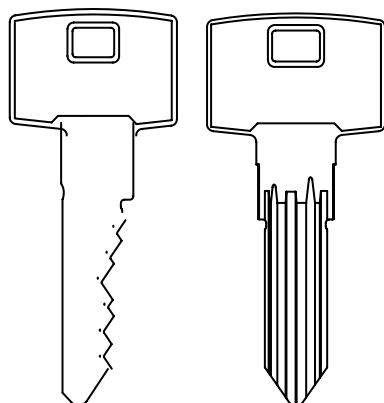
Multicode
Multicode Single

FP16W

STD



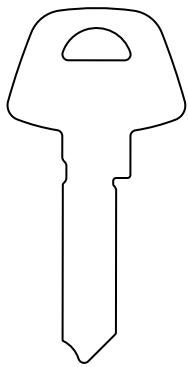
Avantcode



Y14
V14
Vitesse

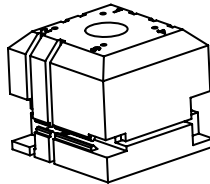
W14





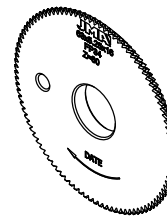
D12

MP1-D12



FP34

STD



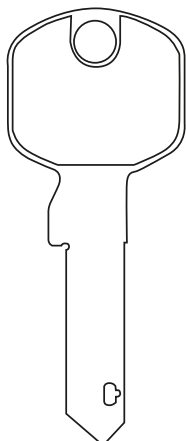
Multicode
Multicode Single

FP16W

STD

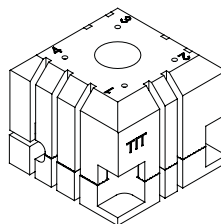


Avantcode



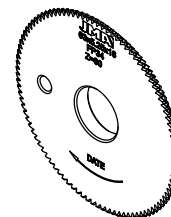
K6-RT

MP1-TIT



FP34

STD



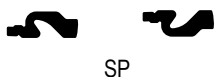
Multicode
Multicode Single

FP16W

STD

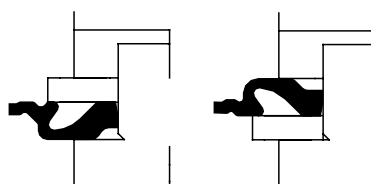
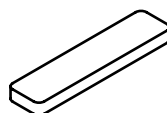


Avantcode



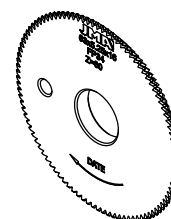
SP

AD-SP + MP1



FP34

STD



Multicode
Multicode Single

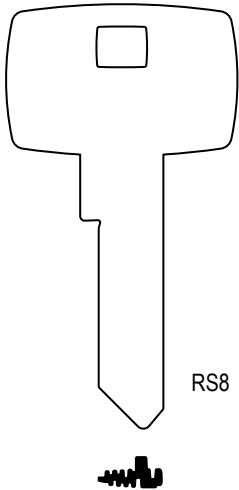
FP16W

STD

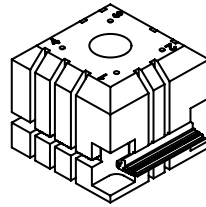


Avantcode



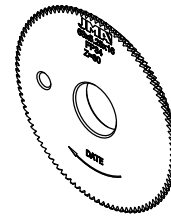


MP1-RS8



FP34

STD



Multicode
Multicode Single

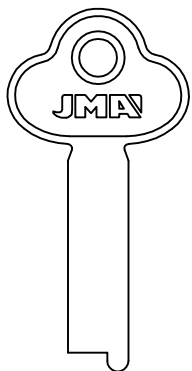
FP16W

STD



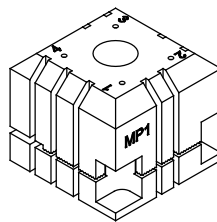
Avantcode

LLAVES PARA CASILLAS - MAIL BOX KEYS



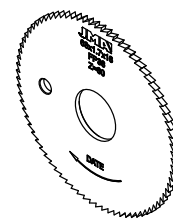
MP1

STD

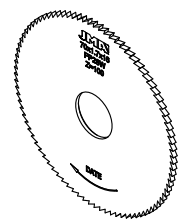


FP36

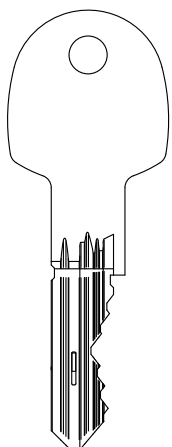
FP28W



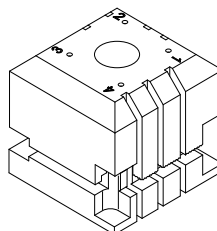
Multicode
Multicode Single



Avantcode

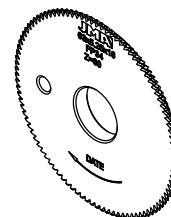


MP1-D12



FP34

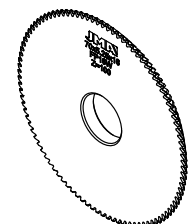
STD



Multicode
Multicode Single

FP16W

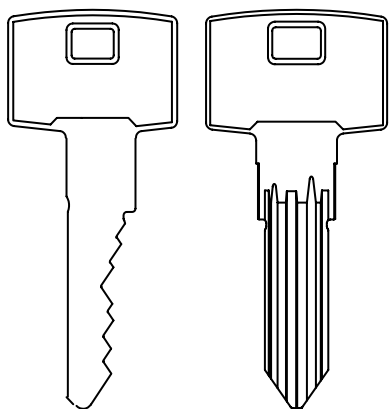
STD



Avantcode



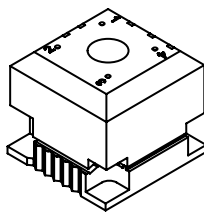
FOR: PFAFFENHAIN®



Y14
V14
Vitesse

W14

MP1-ABP



FP34

STD



Multicode
Multicode Single

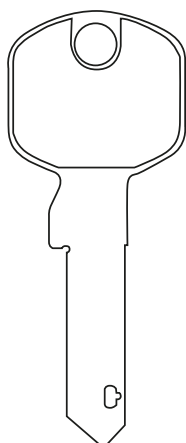
FP16W

STD



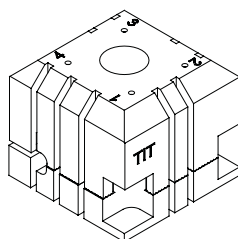
Avantcode

FOR: TITAN®



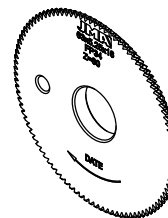
T100 RX

MP1-TIT



FP34

STD



Multicode
Multicode Single

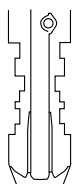
FP16W

STD



Avantcode

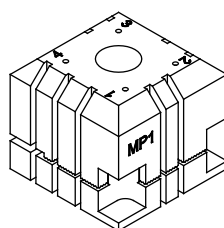
FOR: TOKOZ®



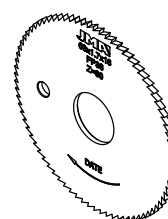
TOKOZ PRO

MP1

STD

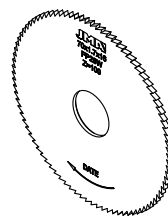


FP36



Multicode
Multicode Single

FP28W



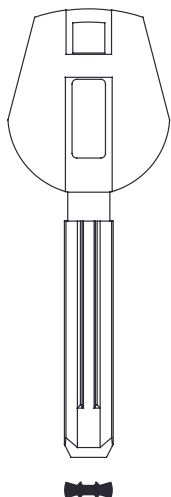
Avantcode

JMA®

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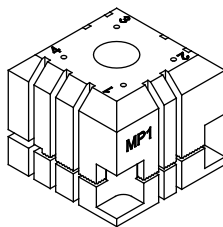
ATENCIÓN: Concerniente a las marcas y denominaciones comerciales ver nota en índice.
ATTENTION: Concerning the marks and commercial denominations see note in index.
ATTENTION: Concernant les marques et dénominations commerciales voir la note dans l'index.
ACHTUNG: Beziehen auf die marke und handelsname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



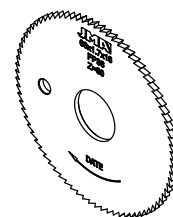
TOKOZ PRO
300/400

MP1

STD

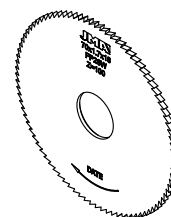


FP36



Multicode
Multicode Single

FP28W



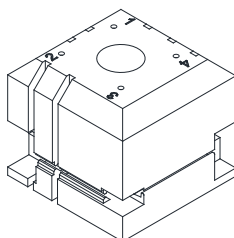
Avantcode

FOR: WINKHAUS®

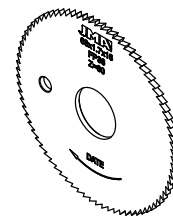


VS

MP1-VS

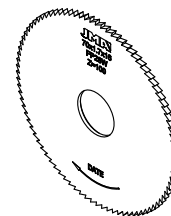


FP36



Multicode
Multicode Single

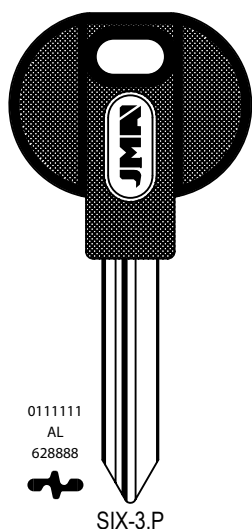
FP28W



Avantcode

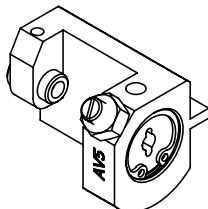


FOR: CITROEN®



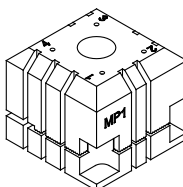
SIX-3.P

AV5



MP1

STD



FP34

STD



*Multicode
Multicode Single*

FP16W

STD

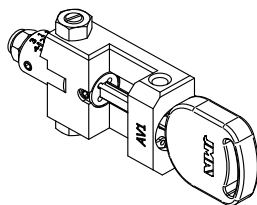


Avantcode

FOR: FORD®

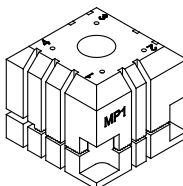


AV1

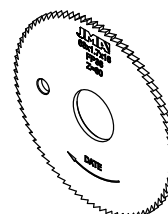


MP1

STD

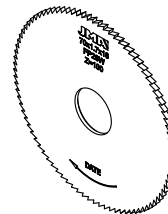


FP36



*Multicode
Multicode Single*

FP28W



Avantcode



LLAVES DE SEGURIDAD Y REGATA

SECURITY AND VEHICLE KEYS



MULTICODE



***MULTICODE
DUPLA***

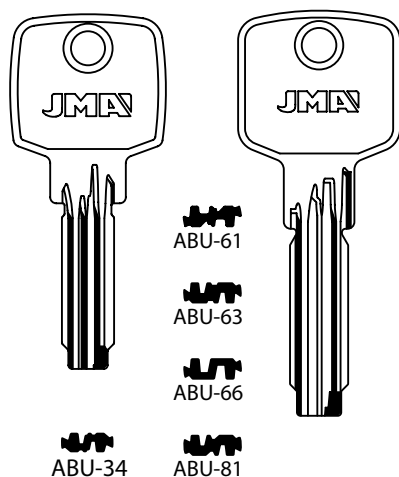


SUPRACODE

***PUNTO ETA
REGATA GILTZAK***

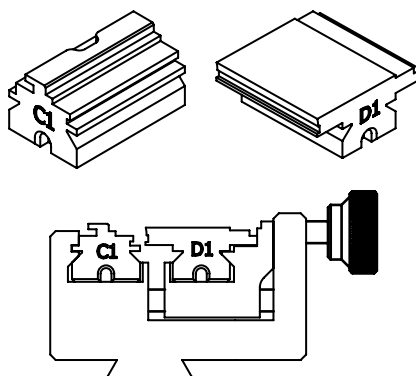
***CLÉS À POINTS
ET A VAGUES***

***BOHRMULDEN- UND
BAHNENSCHLÜSSEL***



C1 D1

STD

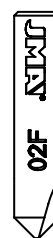


2F

STD

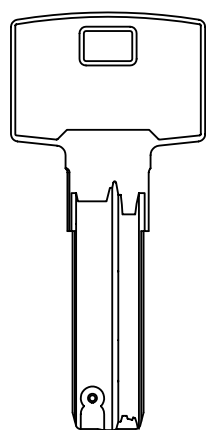
FI2W

STD



Multicode
Multicode Dupla

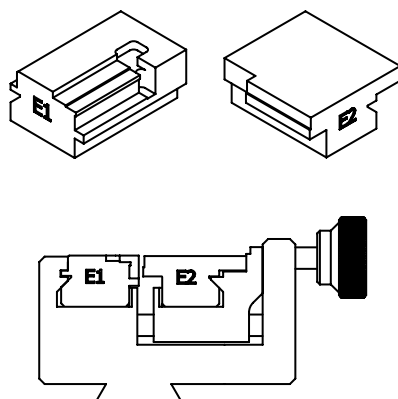
Supracode



BRAVUS

1000 - 2000 - 3000 - 4000

E1 E2



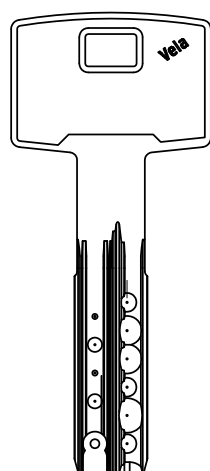
4F

F40W



Multicode
Multicode Dupla

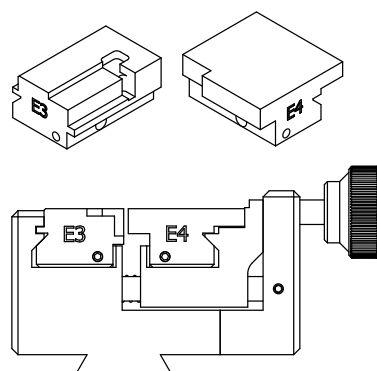
Supracode



VELA

1000 - 2000

E3 E4



4F

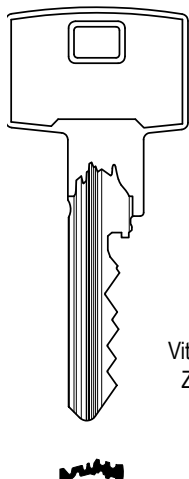
F40W



Multicode
Multicode Dupla

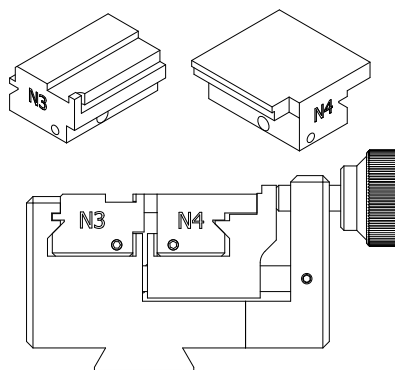
Supracode





Vitesse
Zolit

N3 N4



2F

STD

FI2W

STD

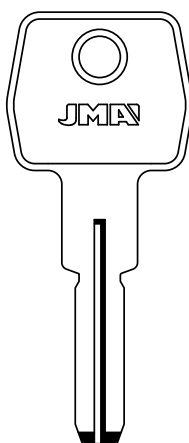


Multicode
Multicode Dupla



Supracode

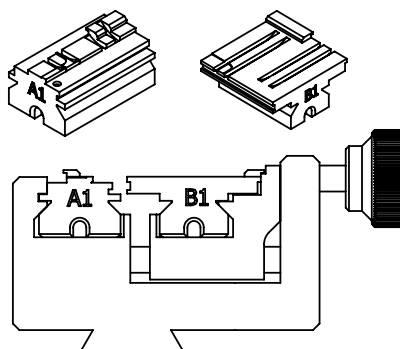
FOR: AGB®



AGB-2

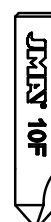
A1 B1

STD



10F

F1W

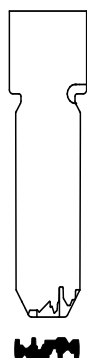


Multicode
Multicode Dupla



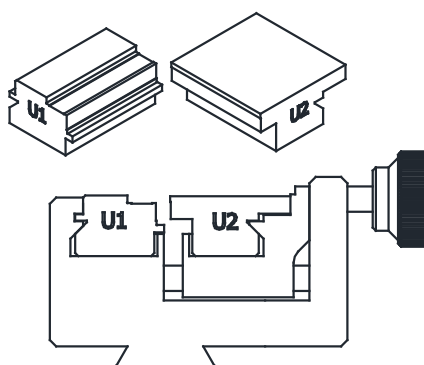
Supracode

FOR: ASSA ABLOY®



CY110 (EU)

U1 U2



6F

F23W



Multicode
Multicode Dupla



Supracode

JMA®

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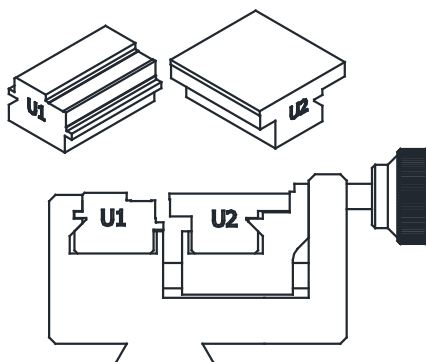


ATENCIÓN: Concerniente a las marcas y denominaciones comerciales ver nota en índice.
ATTENTION: Concerning the marks and commercial denominations see note in index.
ATTENTION: Concernant les marques et dénominations commerciales voir la note dans l'index.
ACHTUNG: Beziehen auf die marke und handelsname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



K100 (BE)

U1 U2



6F

F23W

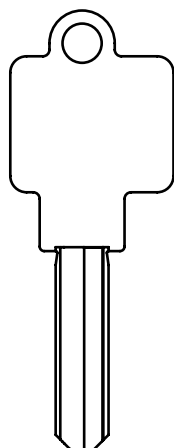


Multicode
Multicode Dupla



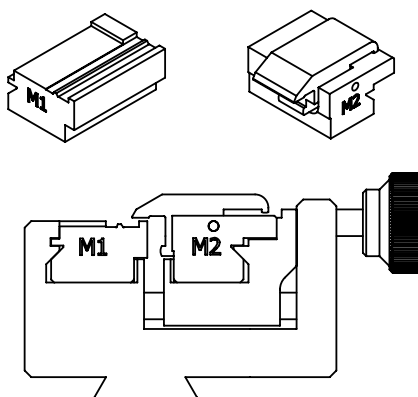
Supracode

FOR: BKS®



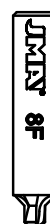
WS42
WS50 NW

M1 M2



8F

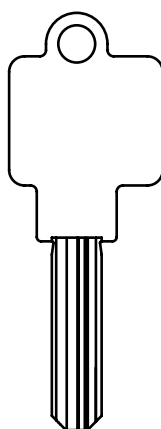
F35W



Multicode
Multicode Dupla

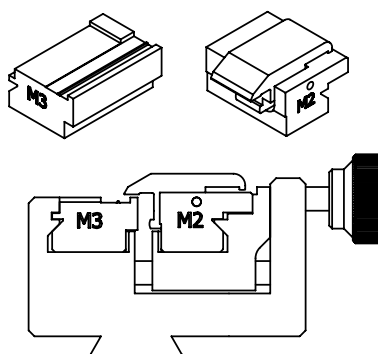


Supracode



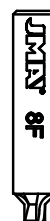
WS50 RA RK RZ

M3 M2



8F

F35W



Multicode
Multicode Dupla

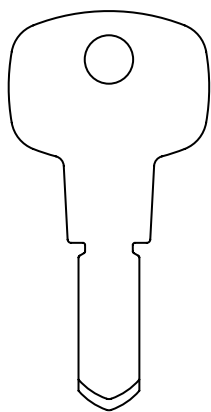


Supracode



JMA®

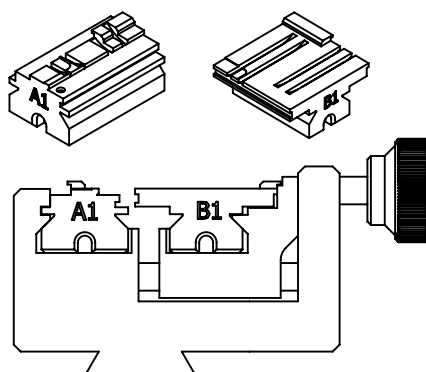




WSM

A1 B1

STD



5F

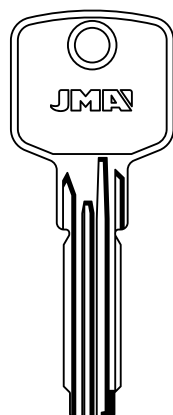
F30W



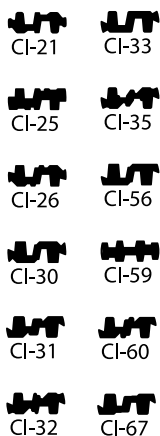
Multicode
Multicode Dupla



Supracode

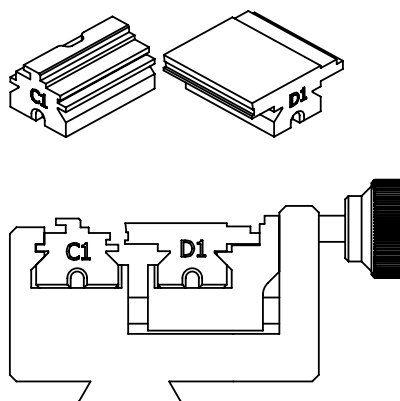


ABUS-ASTRAL-AXIS



C1 D1

STD

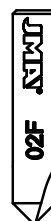


2F

STD

FI2W

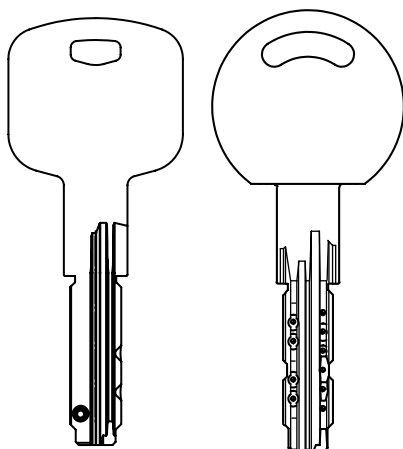
STD



Multicode
Multicode Dupla



Supracode

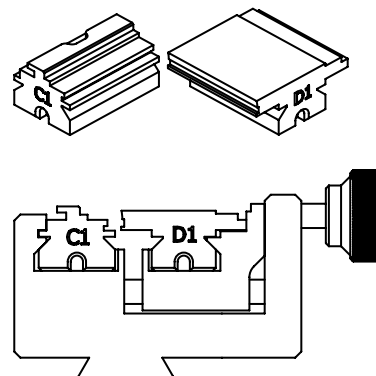


AP3 / AP 4

TEKNO

C1 D1

STD

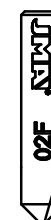


2F

STD

FI2W

STD

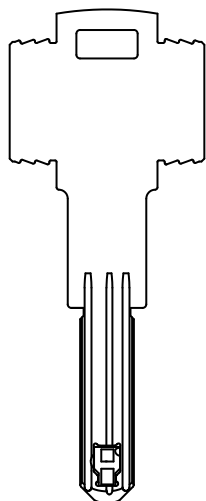


Multicode
Multicode Dupla



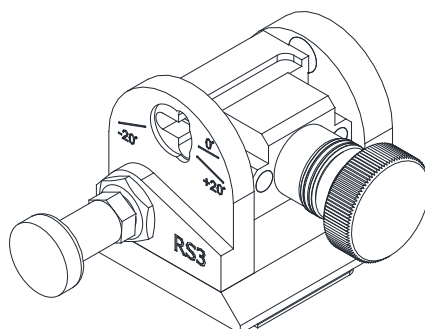
Supracode





RS 3

RS3

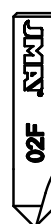


2F

STD

FI2W

STD

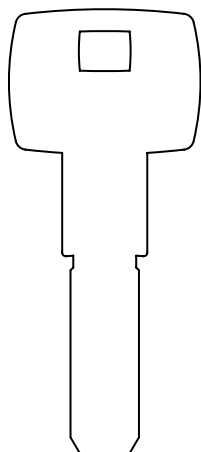


Multicode
Multicode Dupla



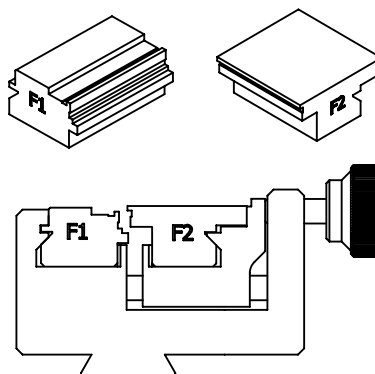
Supracode

FOR: DOM®



121
IX6 KG

F1 F2

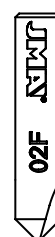


2F

STD

FI2W

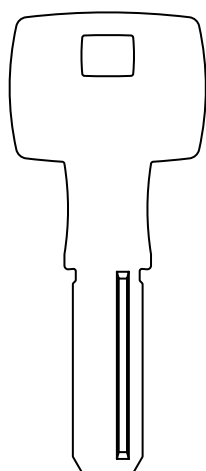
STD



Multicode
Multicode Dupla

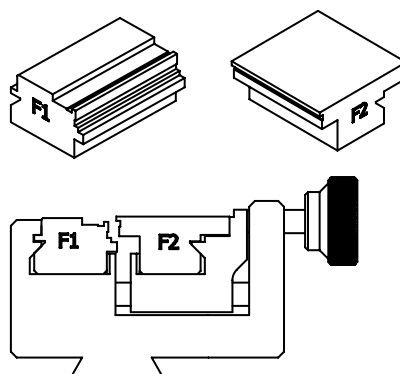


Supracode



138
IX DAS

F1 F2

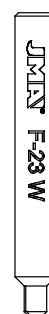


6F

F23W



Multicode
Multicode Dupla

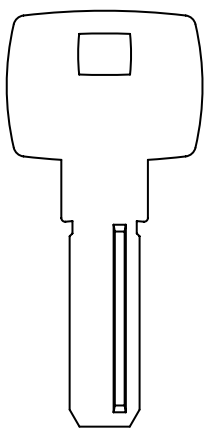


Supracode



JMA®



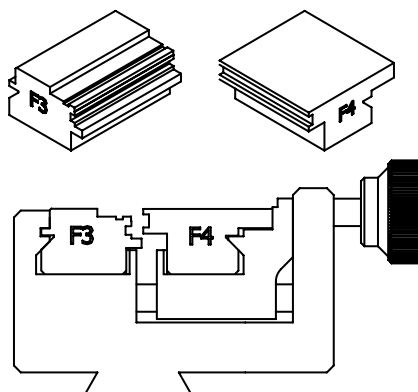


038



IX5 DAS

F3 F4

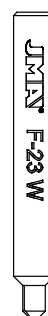


6F

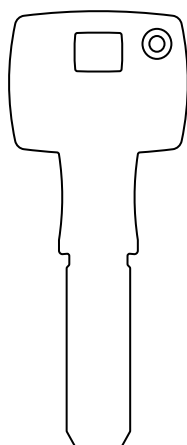


Multicode
Multicode Dupla

F23W



Suprcode

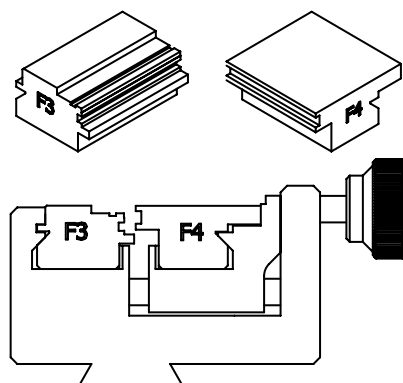


132 / 232

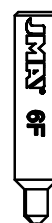


IX6 SR

F3 F4

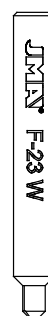


6F

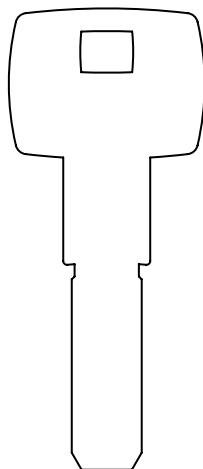


Multicode
Multicode Dupla

F23W



Suprcode

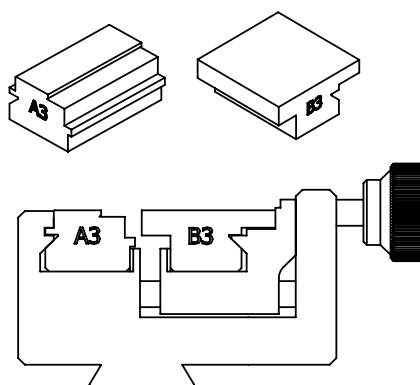


102



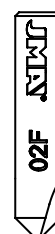
IX6 KG

A3 B3



2F

STD



Multicode
Multicode Dupla

FI2W

STD



Suprcode

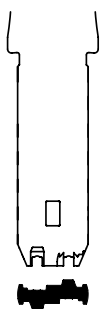


JMA®

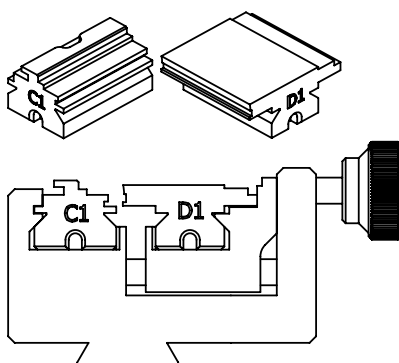
Copyright by JMA Alejandro Altuna S.L.U. 2022



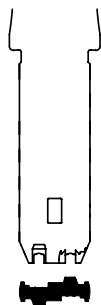
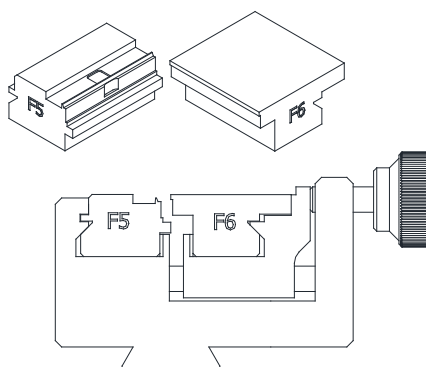
ATENCIÓN: Concerniente a las marcas y denominaciones comerciales ver nota en índice.
ATTENTION: Concerning the marks and commercial denominations see note in index.
ATTENTION: Concernant les marques et dénominations commerciales voir la note dans l'index.
ACHTUNG: Beziehen auf die marke und handelsname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

**C1 D1****STD****17F****F53W**

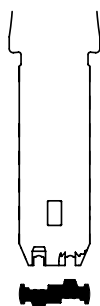
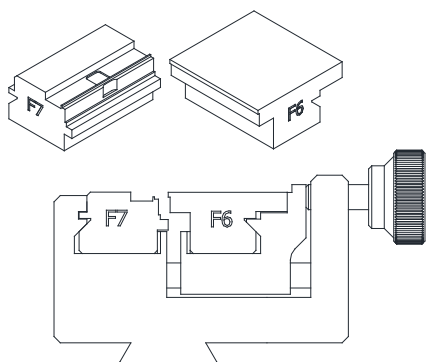
TWIDO / TECO

Multicode
Multicode Dupla

Supracode

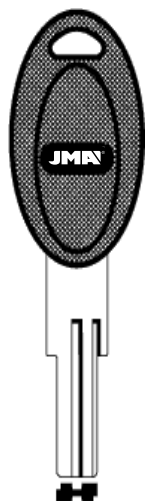
**F5 F6****17F****F53W**TECO
Prf. 270-271-273-274-275Multicode
Multicode Dupla

Supracode

**F7 F6****17F****F53W**TWIDO / TECO
Prf. 272-276-277-278-279-280-
281-282-283-284-285-288Multicode
Multicode Dupla

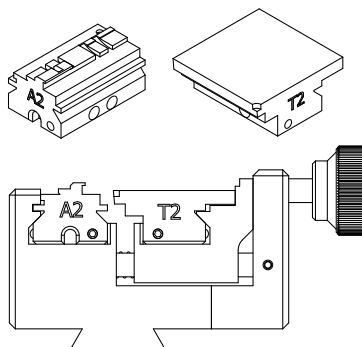
Supracode





EU-15P

A2 T2

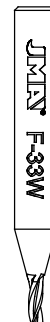


9F

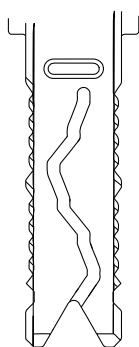
F33W



Multicode
Multicode Dupla



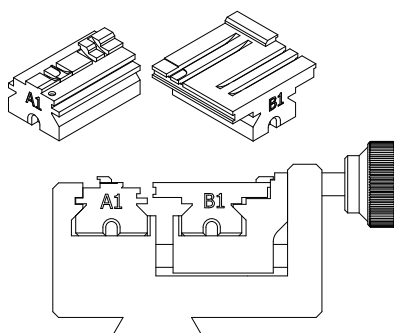
Supracode



3KS

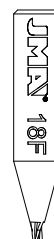
A1 B1

STD

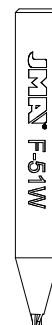


18F

F51W



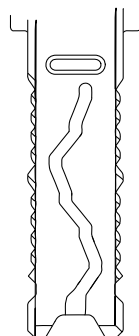
Multicode
Multicode Dupla



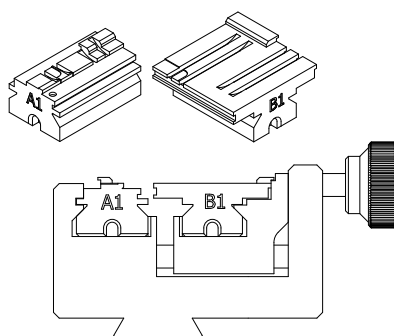
Supracode

A1 B1

STD

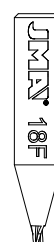


4KS

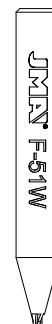


18F

F51W

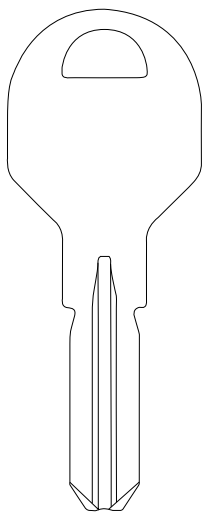


Multicode
Multicode Dupla



Supracode

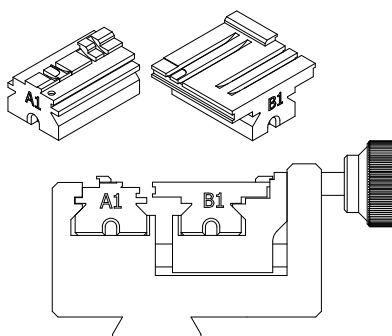




ICS

A1 B1

STD

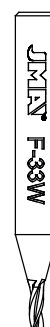


9F

F33W



Multicode
Multicode Dupla



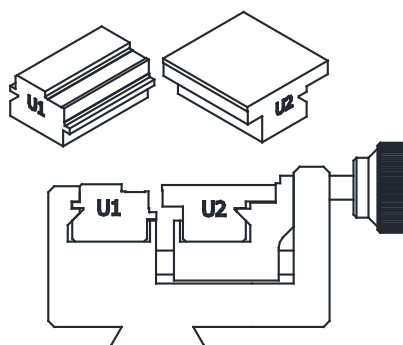
Supracode

FOR: FAB®



TBC (CZ)

U1 U2

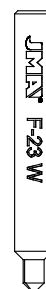


6F

F23W

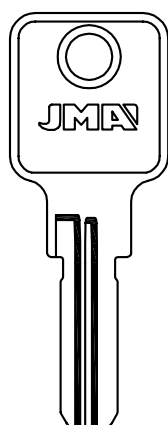


Multicode
Multicode Dupla



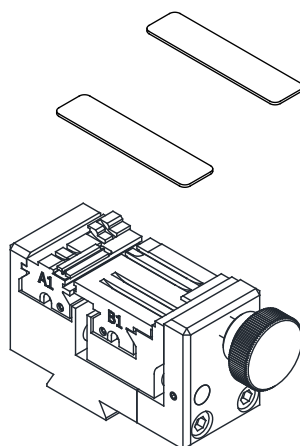
Supracode

FOR: HUWIL®



HUW-3D

A1 B1 + STD (AD- BR)

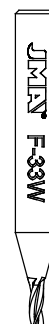


9F

F33W

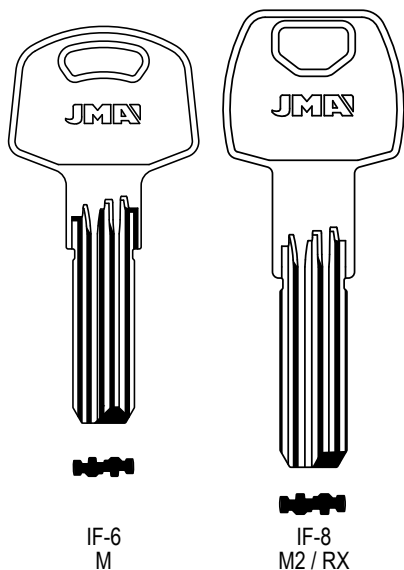


Multicode
Multicode Dupla



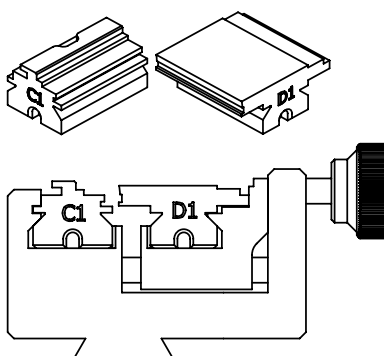
Supracode





C1 D1

STD

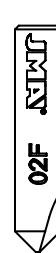


2F

STD

FI2W

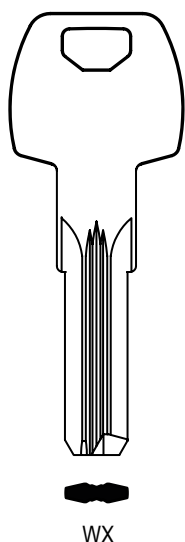
STD



Multicode
Multicode Dupla

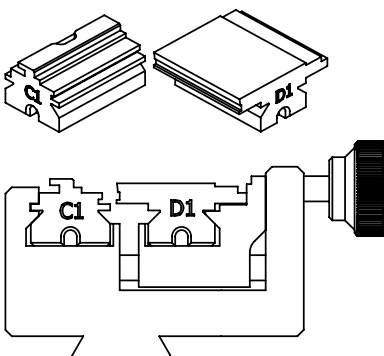


Supracode



C1 D1

STD



2F

STD

FI2W

STD



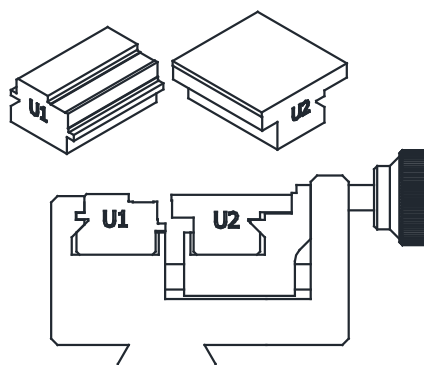
Multicode
Multicode Dupla



Supracode



U1-U2

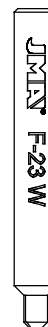


6F

F23W

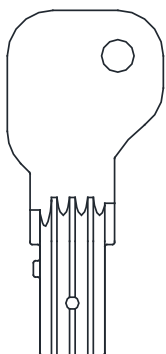


Multicode
Multicode Dupla



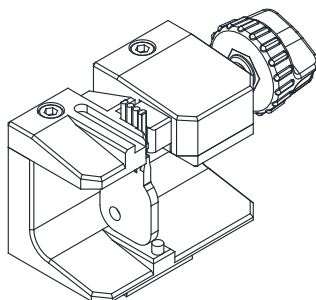
Supracode





INCECA® Plana

ICC



19F

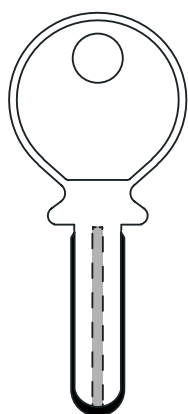
F35W



Multicode
Multicode Dupla

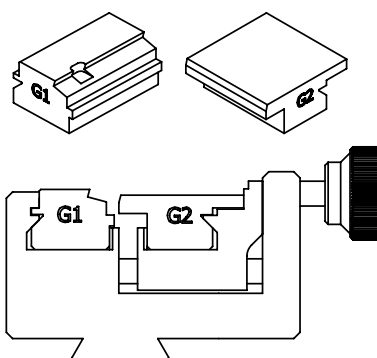


Suprcode



maTrix (K59)
gemini T (K54)

G1 G2

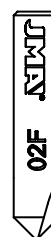


2F

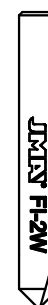
STD

FI2W

STD



Multicode
Multicode Dupla



Suprcode

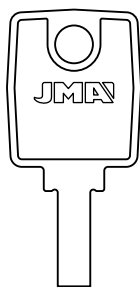
A1 B1 + STD (ADK)

2F

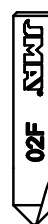
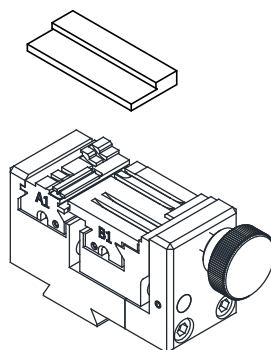
STD

FI2W

STD



KA - 5

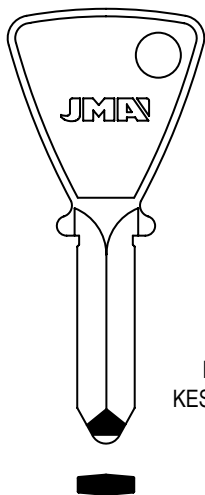


Multicode
Multicode Dupla



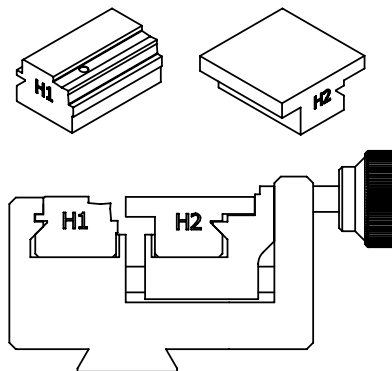
Suprcode





KE-1
KESO 1000
JPM

H1 H2

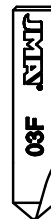


3F

STD

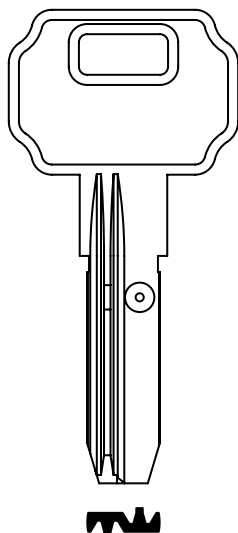
FI3W

STD



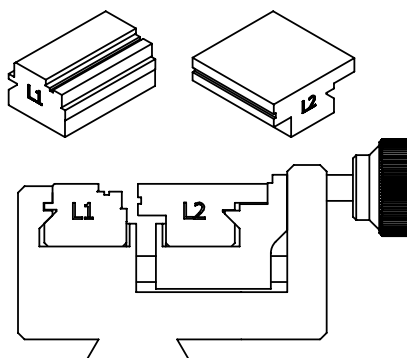
Multicode
Multicode Dupla

Supracode



C3, C4, C6

L1 L2

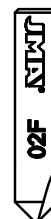


2F

STD

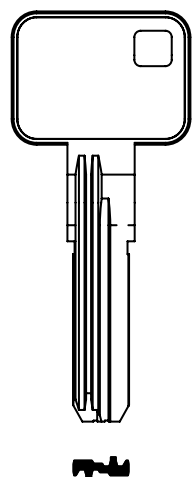
FI2W

STD



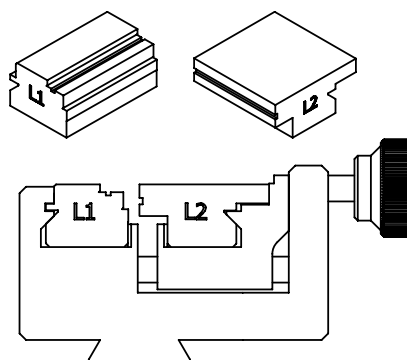
Multicode
Multicode Dupla

Supracode



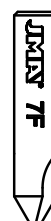
C5

L1 L2



7F

F28W

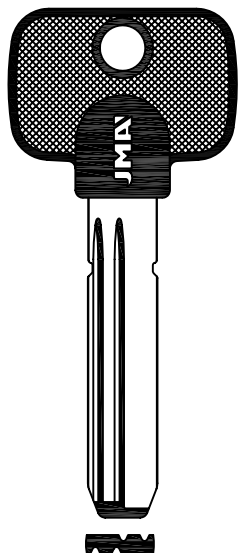


Multicode
Multicode Dupla

Supracode

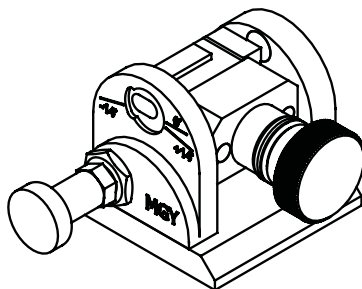


FOR: MAGNUN®

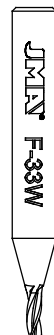


MAG - 2DP

MGY



F33W



Supracode

9F



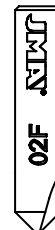
Multicode
Multicode Dupla

FI2W



Supracode

2F

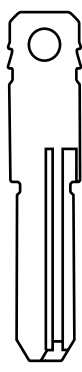


Multicode
Multicode Dupla



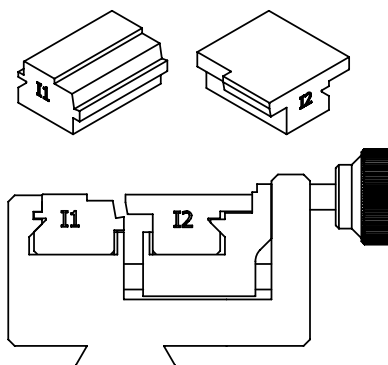
STD

FOR: MAUER®



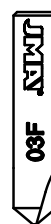
NW4
NW5

I1 I2



3F

STD



Multicode
Multicode Dupla

FI3W

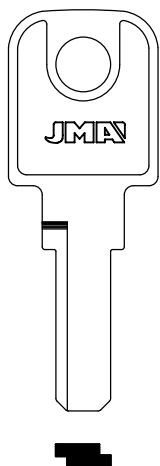
STD



Supracode

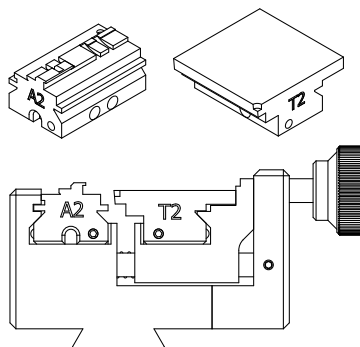


FOR: MERONI®



MR33

A2 T2



1F

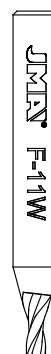
STD



Multicode
Multicode Dupla

FI1W

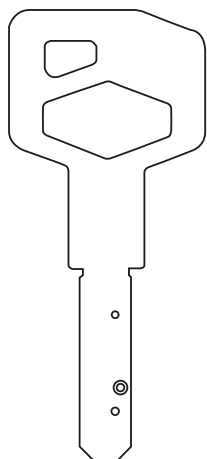
STD



Supracode

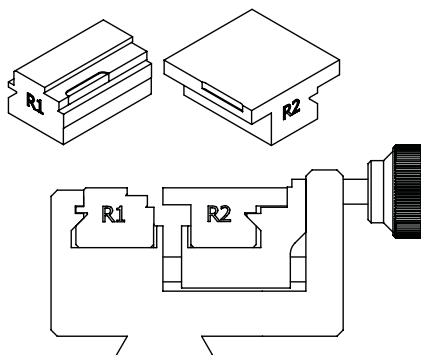


FOR: MG MONTI®



HSP

R1 R2

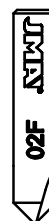


2F

STD

FI2W

STD

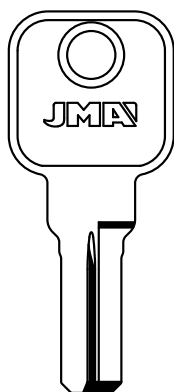


Multicode
Multicode Dupla



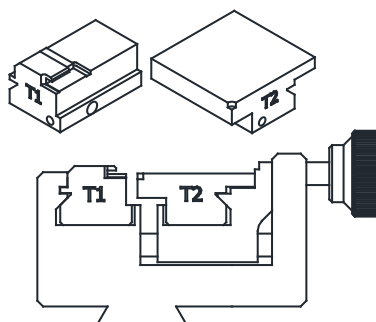
Supracode

FOR: MLM®



MLM-8
LEHMANN

T1-T2

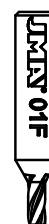


1F

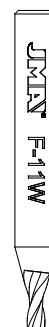
STD

F11W

STD

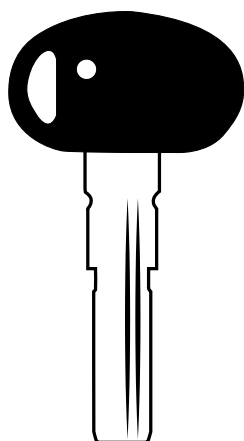


Multicode
Multicode Dupla



Supracode

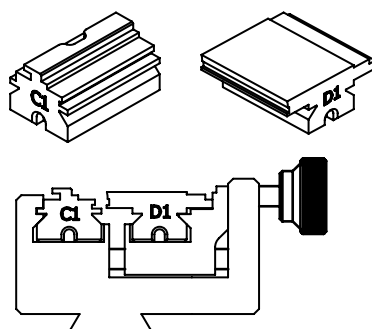
FOR: MOTTURA®



C10 / C30 / C38 /
C43 / CP3 C43Plus

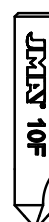
C1 D1

STD



10F

F49W



Multicode
Multicode Dupla



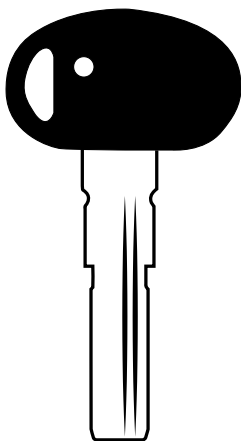
Supracode

JMA®

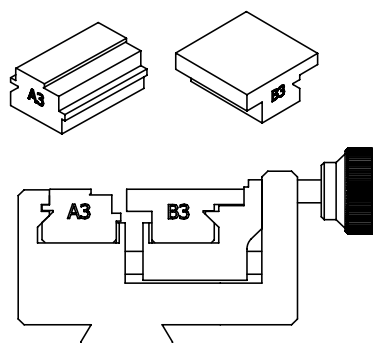
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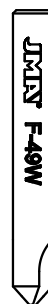
A3 B3



C28 / CP8 C28Plus /
C39 / CP4 /
CP4 ARMO-RIARMO

10F

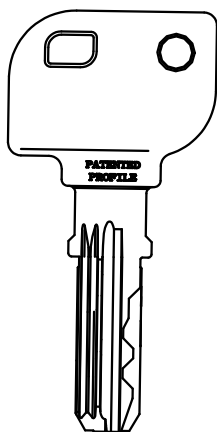
F49W



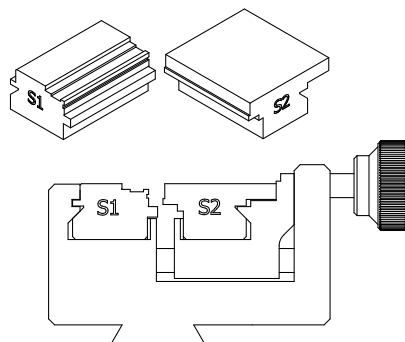
Multicode
Multicode Dupla

Supracode

FOR: M&C®



S1 S2



CONDOR
CONDOR MIRROR

F11W STD

1F STD

F12W STD

2F STD

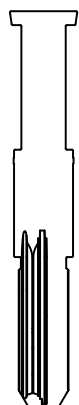


Supracode

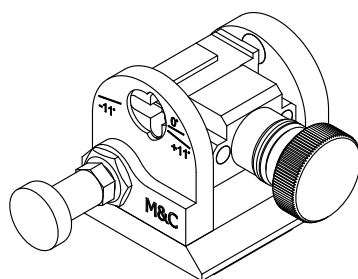
Multicode
Multicode Dupla

Supracode

Multicode
Multicode Dupla



M&C



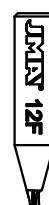
COLOR+

F3W

12F

F12W STD

2F STD



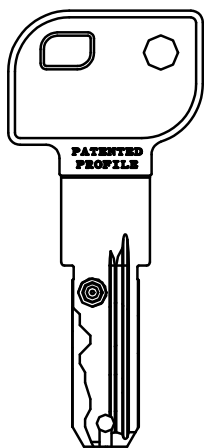
Supracode

Multicode
Multicode Dupla

Supracode

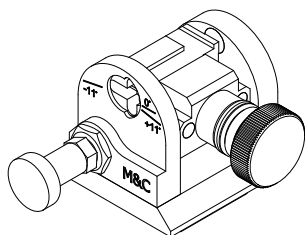
Multicode
Multicode Dupla





MOVE

M&C

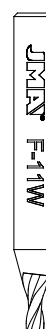
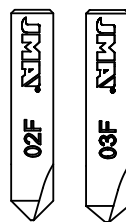


2F 3F STD

1F STD

FI2W FI3W STD

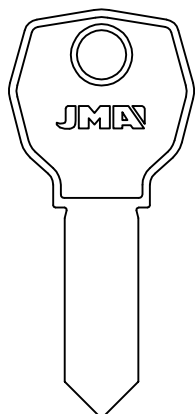
F11W STD



Multicode
Multicode Dupla

Supracode

FOR: SEA®



SEA-1
SEA3

A1 B1

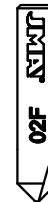
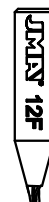
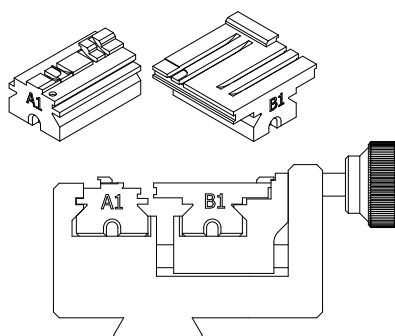
STD

F3W

12F

FI2W STD

2F STD

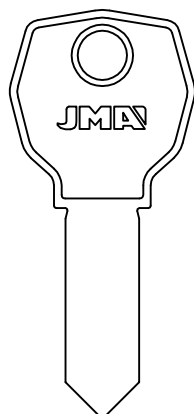


Supracode

Multicode
Multicode Dupla

Supracode

Multicode
Multicode Dupla



SEA-1
SEA 22/23

A1 B1

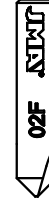
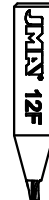
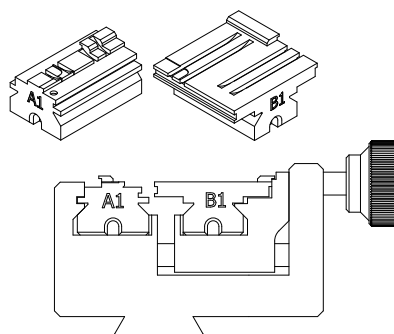
STD

F3W

12F

FI2W STD

2F STD



Supracode

Multicode
Multicode Dupla

Supracode

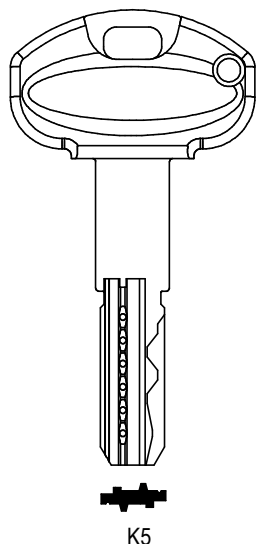
Multicode
Multicode Dupla

JMA®

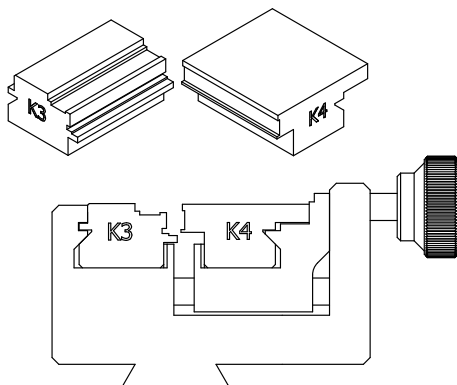
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K3 K4

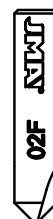


2F

STD

FI2W

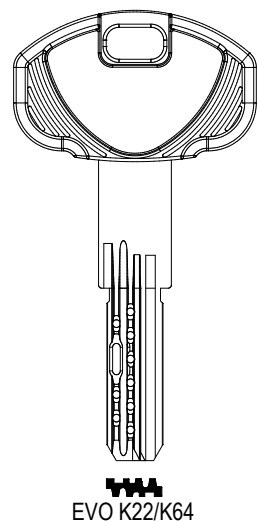
STD



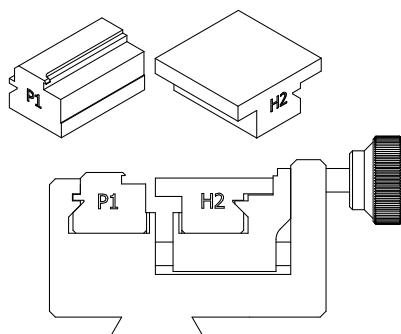
Multicode
Multicode Dupla



Supracode

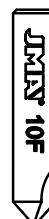


P1 H2

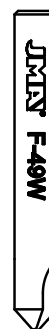


10F

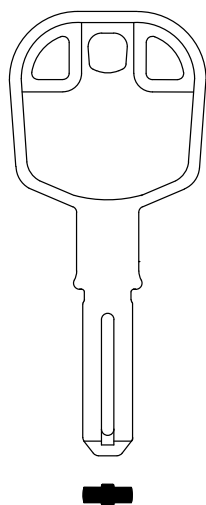
F49W



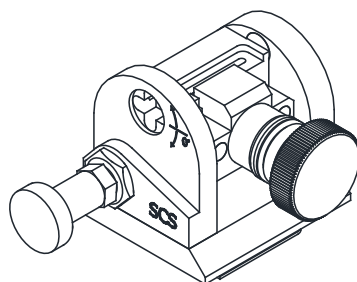
Multicode
Multicode Dupla



Supracode



SCS

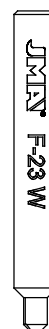


6F

F23W

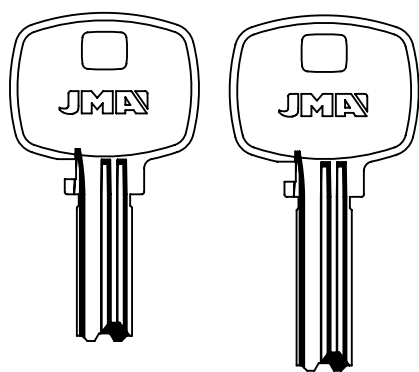


Multicode
Multicode Dupla



Supracode



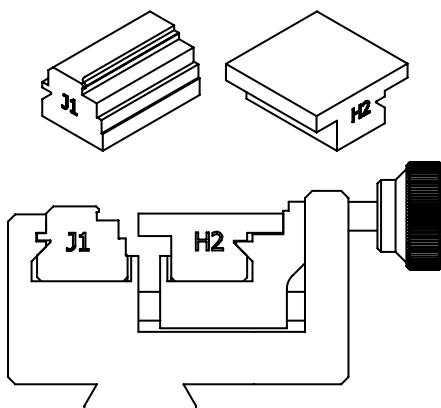


STS-X5



STS-X6

J1 H2

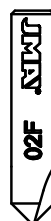


2F

STD

FI2W

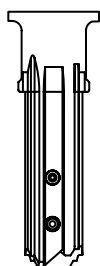
STD



Multicode
Multicode Dupla

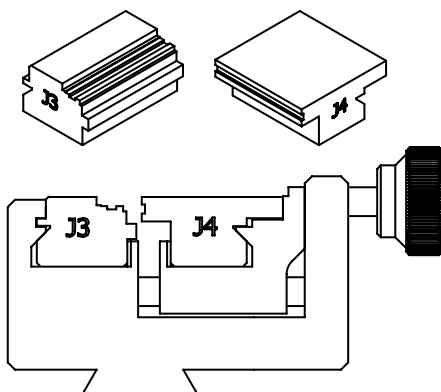


Supracode



ST6

J3 J4



6F

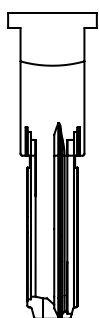
F23W



Multicode
Multicode Dupla

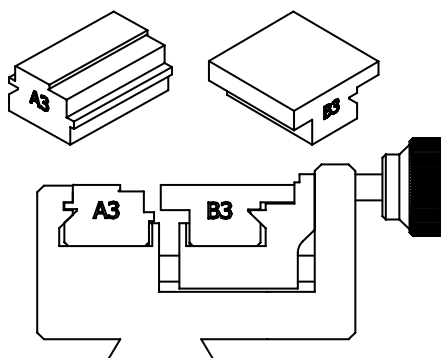


Supracode



ST8

A3 B3

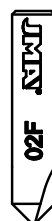


2F

STD

FI2W

STD

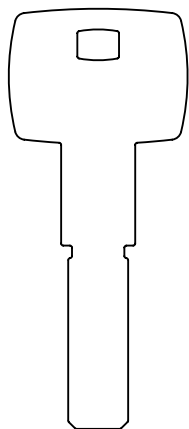


Multicode
Multicode Dupla



Supracode

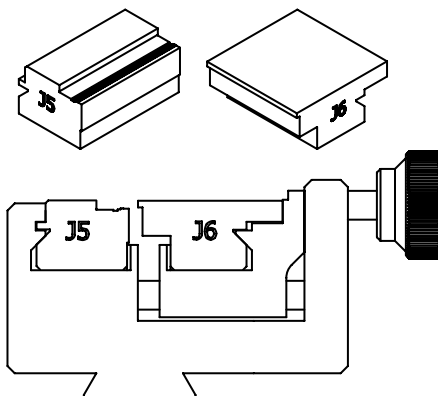




ST15

ST15

J5 J6

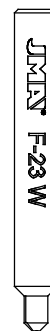


6F



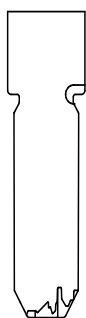
Multicode
Multicode Dupla

F23W



Supracode

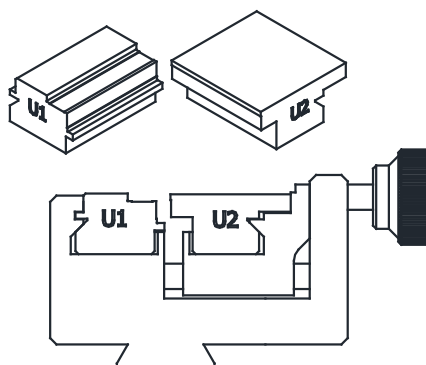
FOR: UNION®



KEYPRIME (GB)

KEYPRIME (GB)

U1 U2

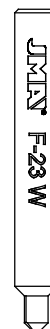


6F



Multicode
Multicode Dupla

F23W



Supracode

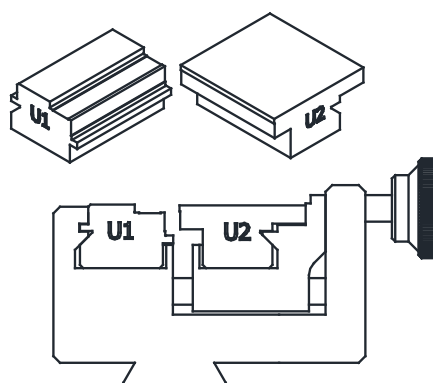
FOR: VACHETTE®



VERCY (FR)

VERCY (FR)

U1 U2

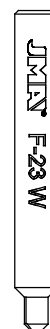


6F



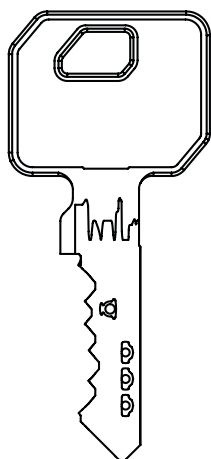
Multicode
Multicode Dupla

F23W



Supracode

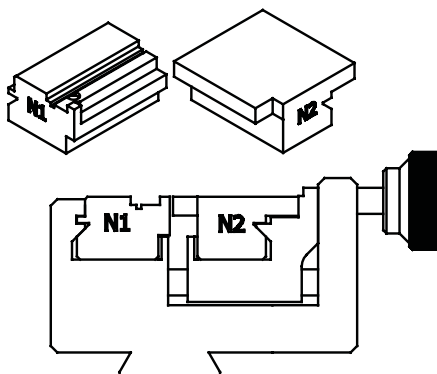




WILKA

P1S1 S4

N1 N2

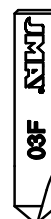


3F

STD

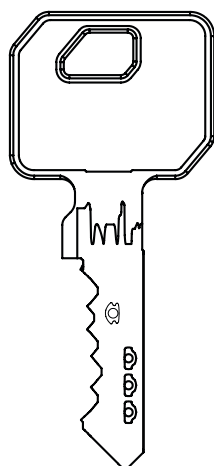
FI3W

STD



Multicode
Multicode Dupla

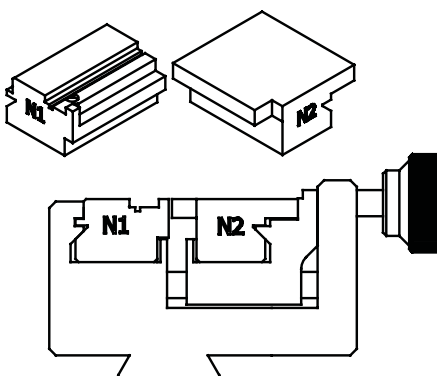
Supracode



WILKA

PR100

N1 N2

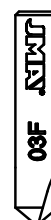


3F

STD

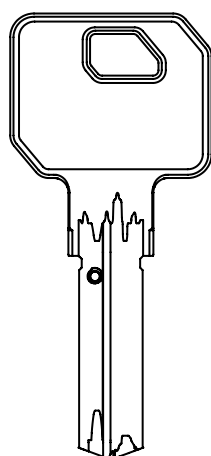
FI3W

STD



Multicode
Multicode Dupla

Supracode



WILKA

P3

A1 B1

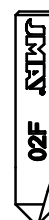
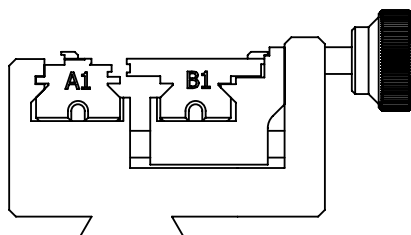
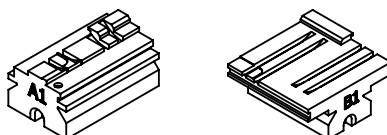
STD

2F

STD

FI2W

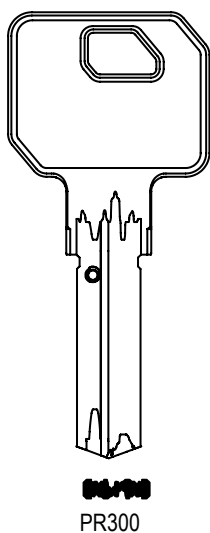
STD



Multicode
Multicode Dupla

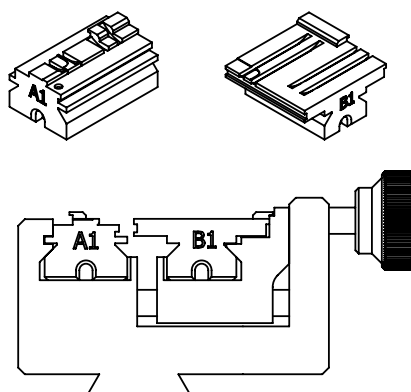
Supracode





A1 B1

STD

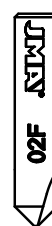


2F

STD

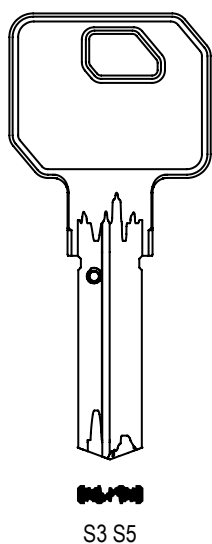
F12W

STD



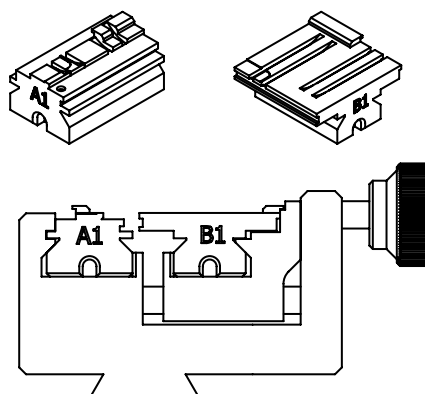
Multicode
Multicode Dupla

Supracode



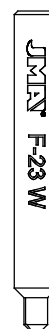
A1 B1

STD



6F

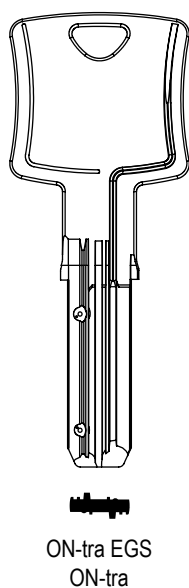
F23W



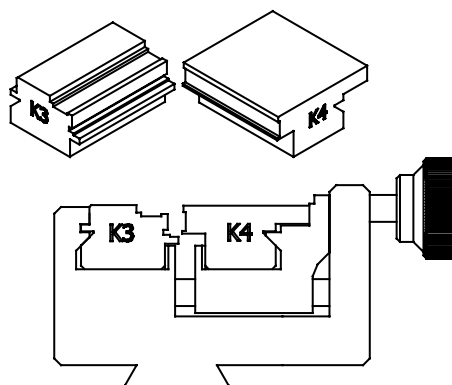
Multicode
Multicode Dupla

Supracode

FOR: WINKHAUS®

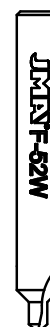


K3 K4



11F

F52W



Multicode
Multicode Dupla

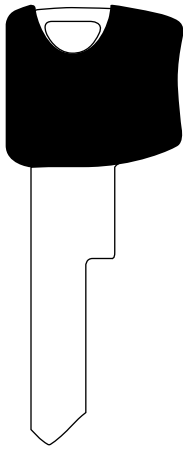
Supracode



JMA®

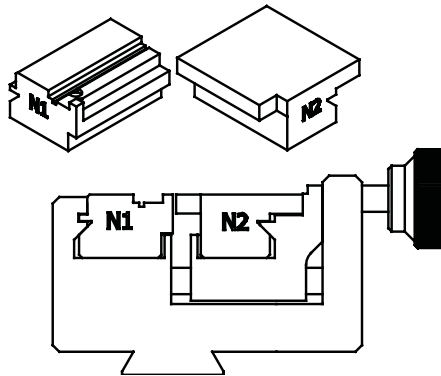


ATENCIÓN: Concerniente a las marcas y denominaciones comerciales ver nota en índice.
ATTENTION: Concerning the marks and commercial denominations see note in index.
ATTENTION: Concernant les marques et dénominations commerciales voir la note dans l'index.
ACHTUNG: Beziehen auf die marke und handelsname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



RPE/RPS

N1 N2

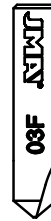


3F

STD

FI3W

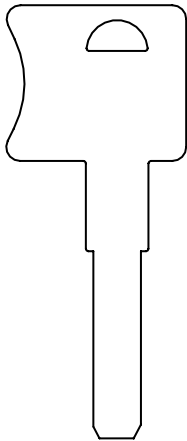
STD



Multicode
Multicode Dupla

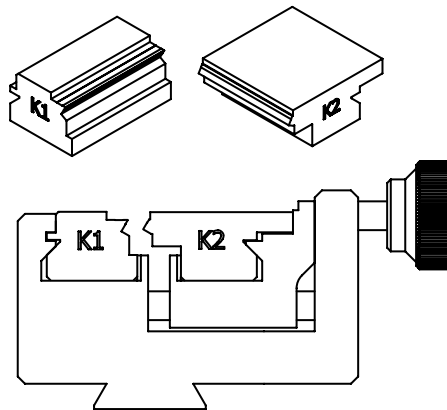


Suprcode



X-TRA

K1 K2

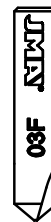


3F

STD

FI3W

STD

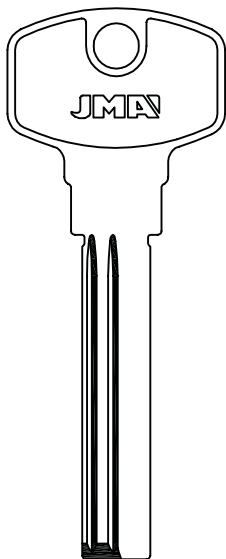


Multicode
Multicode Dupla



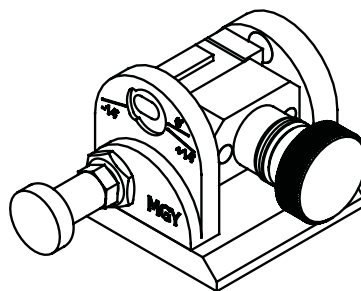
Suprcode

FOR: YALE®



YA-281D

MGY

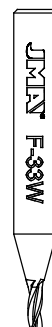


F33W

9F

FI2W STD

2F STD



Suprcode



Multicode
Multicode Dupla



Suprcode



Multicode
Multicode Dupla

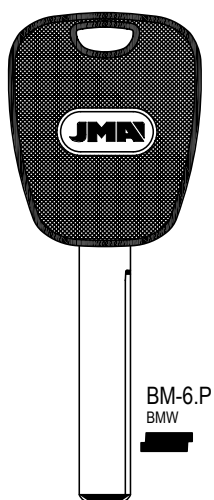
JMA®

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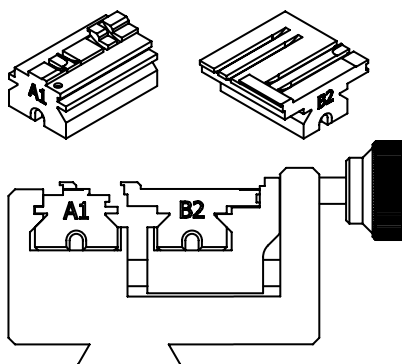
ATENCIÓN: Concerniente a las marcas y denominaciones comerciales ver nota en índice.
ATTENTION: Concerning the marks and commercial denominations see note in index.
ATTENTION: Concernant les marques et dénominations commerciales voir la note dans l'index.
ACHTUNG: Beziehen auf die marke und handelsname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

FOR: BMW®



A1 B2

STD

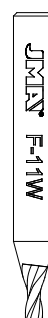


1F

STD

F11W

STD



Multicode
Multicode Dupla

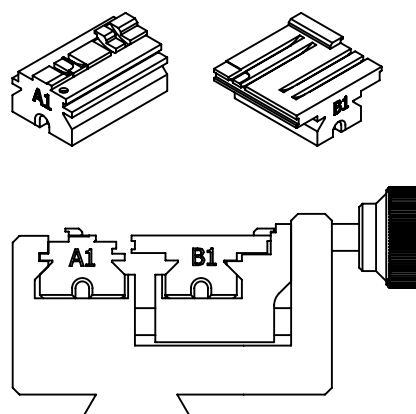
Supracode

FOR: FORD®



A1 B1

STD



1F

STD

F11W

STD



Multicode
Multicode Dupla

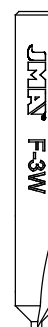
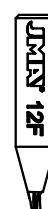
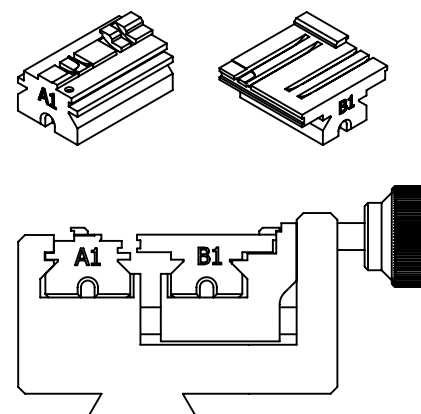
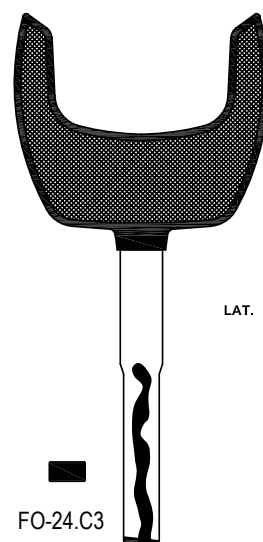
Supracode

A1 B1

STD

12F

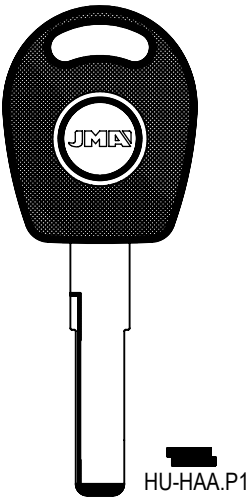
F3W



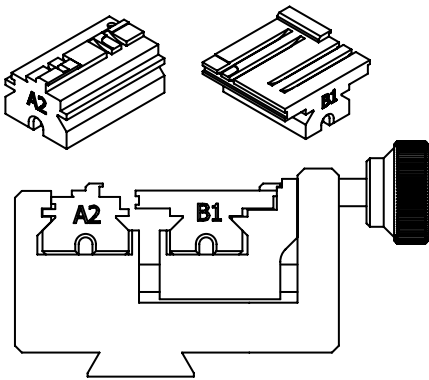
Multicode
Multicode Dupla

Supracode





A2 B1 STD



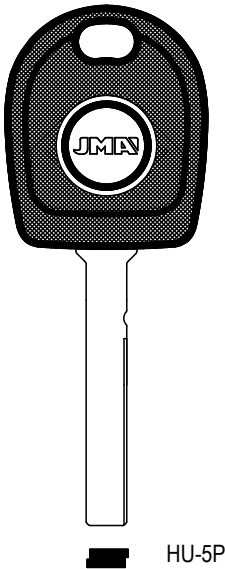
1F STD

F11W STD

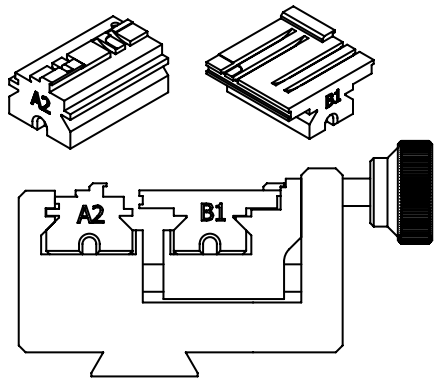


Multicode
Multicode Dupla

Supracode



A2 B1 STD



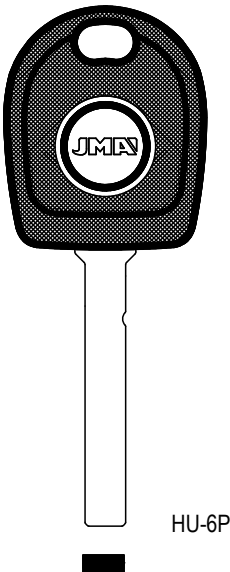
9F

F33W

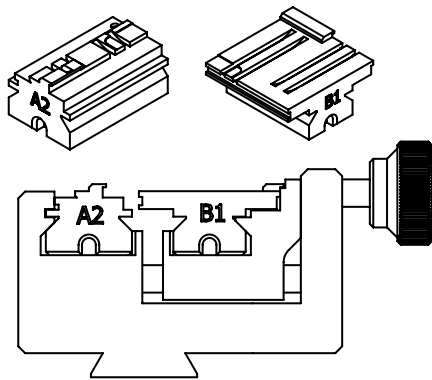


Multicode
Multicode Dupla

Supracode

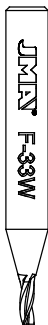


A2 B1 STD



9F

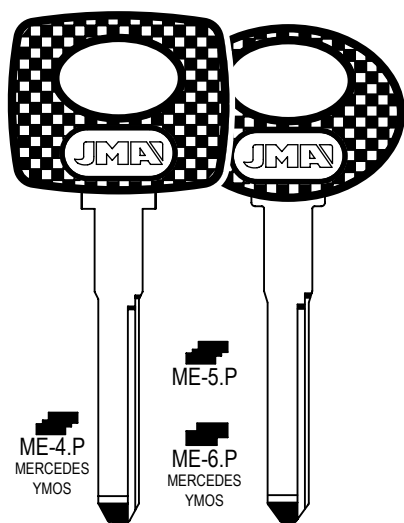
F33W



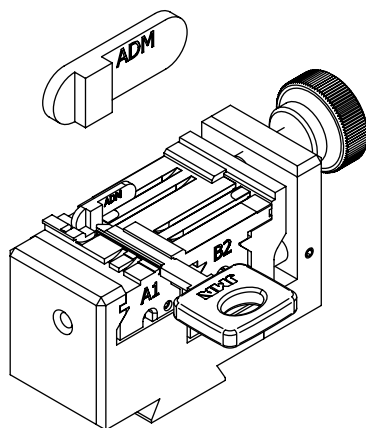
Multicode
Multicode Dupla

Supracode





A1 B2 (STD) + ADM



1F

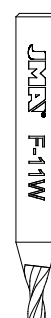
STD

F11W

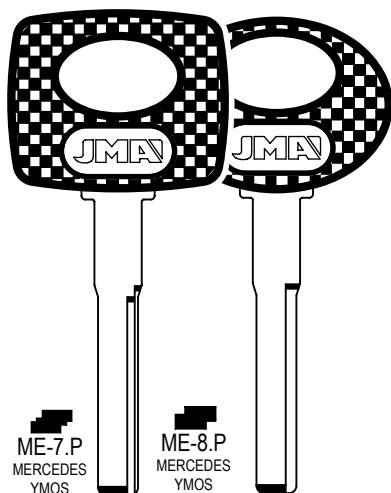
STD



Multicode
Multicode Dupla

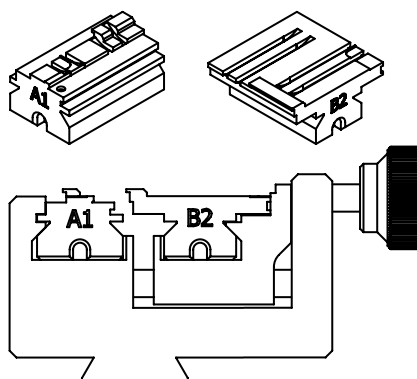


Suprcode



A1 B2

STD



1F

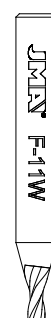
STD

F11W

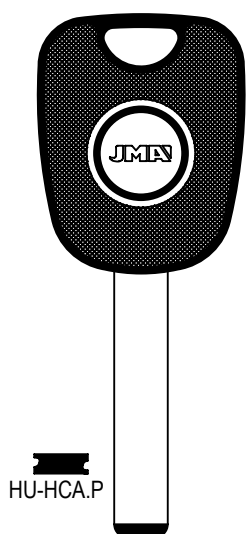
STD



Multicode
Multicode Dupla

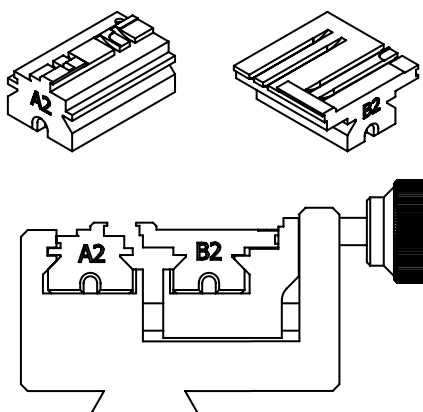


Suprcode



A2 B2

STD



1F

STD

F11W

STD



Multicode
Multicode Dupla



Suprcode



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Altuna Group