



***CKS.08***

***CATÁLOGO  
CARCASAS***

***KEY SHELLS  
CATALOGUE***



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## NUESTRO ÉXITO ESTÁ BASADO EN EL COMPROMISO DE LAS PERSONAS

JMA 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

JMA 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:

### LÍDER 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.



### 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.

### LÍDER 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.A. acoge Sistemas de Gestión de la Calidad homologados por las empresas líderes del sector de automoción y residencial.



### 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.A. operates Quality Management Systems approved by the leading companies in the automotive and residential sectors.

### LÍDER EN EL COMPROMISO POR EL MEDIO AMBIENTE:

En JMA 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. JMA 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.



### THE LEADER IN THE COMMITMENT TO THE ENVIRONMENT:

At JMA 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. JMA Alejandro Altuna S.L.U. was the first key manufacturer in the world to achieve ISO 14001 certification for its management system in 2000.

### LÍDER 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 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**

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. 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.

Este catálogo está reservado exclusivamente a profesionales de la reproducción de llaves que utilizan piezas JMA. 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.

**EUSKERA**

Industria-jabegoari dagozkion indarrean dauden lege-xedapenekin bat etorri, katalogo honetan ageri diren marka edo merkataritza-izenak zilindro eta sarraileen fabrikatzaileen jabego eskusibokoak dira, eta baita ibilgailuen fabrikatzaileena. Aipatutako markak edo merkataritza-izenak modu informatiboan soilik aipatzen dira, gure piezak zein sarrailekin doazen azkar jakin ahal izateko.

Katalogo hau JMA piezak erabiltzen dituzten giltzen bikoizketara dedikatzen diren profesionaleri zuzenduta dago. Katalogo honetako produktuei dagozkien datuak azalpen izaera dute. Beti, oinarritzko ezaugarriak mantenduz, aurreko abisurik gabe, produktu horiek eboluzionatzen dutelako, aldaketa teknikoak, estetikoak edo beste motatakoan egiteko eskubidea dugu.

**DEUTSCH**

Gemäß den geltenden gesetzlichen Bestimmungen bezüglich des gewerblichen Eigentums, der Marken oder Handelsnamen, die in diesem Katalog angegeben sind, sind diese ausschließliches Eigentum der Hersteller der Zylinder und Schlösser sowie der Fahrzeughersteller. Diese Marken oder Handelsnamen werden aus rein informativen Gründen angegeben, um die Schlösser, zu denen unsere Teile gehören, schneller zu erkennen.

Dieser Katalog ist ausschließlich für Fachleute auf dem Gebiet der Reproduktion von Schlüsseln gedacht, die Teile von JMA verwenden. Die Daten bezüglich der Produkte dieses Katalogs haben indikativen Charakter. Unter Beibehaltung der grundlegenden Charakteristiken behalten wir uns das Recht vor, ohne Vorankündigung technische, ästhetische oder sonstige Modifikationen aufgrund der Weiterentwicklung der fraglichen Produkte vorzunehmen.

**POLSKI**

Zgodnie z aktualnymi przepisami prawnymi związanymi z ochroną własności przemysłowej, marki i nazwy handlowe wymienione w tym katalogu są wyłączną własnością producentów wkładek i zamków, oraz producentów samochodów. Zarówno marki jak i nazwy handlowe są wykorzystywane jedynie w celu szybkiego rozpoznania zamka, któremu odpowiadają nasze produkty. Ten katalog jest zarezerwowany wyłącznie dla profesjonalistów kopiowania kluczy korzystających z produktów JMA. Informacje odnoszące się do produktów w katalogu mają charakter orientacyjny. Przy zachowaniu podstawowych parametrów, zastrzegamy sobie prawo, bez uprzedniego powiadomienia, do zmian technicznych, estetycznych lub innych, w celu poprawy produktów.

**ENGLISH**

In accordance to current legal dispositions related to industrial property, the brands or commercial names indicated in this catalogue are the exclusive property of the manufacturers of cylinders and locks, as well as the manufacturers of automobiles. These brands or commercial names are used as mere information in order to quickly recognise the lock to which our parts correspond.

This catalogue is exclusively reserved to professional key duplicators that use JMA pieces. The data referring to the products of this catalogue is merely informative. Always maintaining the basic characteristics, we reserve the right to making, without previous notification, technical, aesthetic or other types of modifications, for improvement reasons of the products in question.

**FRANÇAIS**

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 simple 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.

**POTUGUESE**

Em conformidade com as disposições legais vigentes sobre a propriedade industrial, as marcas ou nomes comerciais indicados neste catálogo são propriedade exclusiva dos fabricantes de cilindros e fechaduras, assim como dos fabricantes de automóveis. Ditas marcas ou nomes comerciais mencionam-se com propósitos meramente informativos, com o fim de reconhecer com rapidez a fechadura a que correspondem as nossas peças.

Este catálogo está reservado exclusivamente a profissionais da reprodução de chaves que utilizam peças JMA. Os dados referentes aos produtos deste catálogo têm carácter meramente indicativo. Mantendo sempre as características básicas, reservamo-nos o direito de realizar, sem prévio aviso, quaisquer modificações técnicas, estéticas ou de outro tipo, resultantes da evolução dos produtos em questão.



## Nº Botones

Botoiak znb.  
Number Buttons  
Nº Bouton  
Anz. Knöpfe  
Nº Botões  
Ilo. Przyciski



## Maletero

Maletategia  
Boot  
Coffre  
Kofferraum  
Mala  
Bagażnik



## Luz

Argia  
Light  
Phare  
Licht  
Luz  
Światła



## Pila en carcasa

Pila karkasan  
Battery in casing  
Pile sur coque  
Batterie im Rohling  
Pilha na carcaça  
Bateria w obudowie



## Detalles pila

Pilaren xehetasunak  
Battery details  
Detail pile  
Detail batt  
Detalhes pila  
Informacje o baterii



## Pila en circuito

Pila zirkuituan  
Battery in circuit  
Pile sur circuit  
Batterie im Kreislauf  
Pilha no circuito  
Bateria na układzie



## Escamoteable

Ezkutagarria  
Flipkey  
Cle escamotable  
Einziehbar  
Retratil  
Zamiennik

1.

## Ref. JMA

Erref. JMA  
Ref. JMA  
Ref. JMA  
Ref. JMA  
Ref. JMA  
Symbol JMA

2.

## Marca

Marka  
Brand  
Marque  
Marke  
Marca  
Marka

3.

## Imagen JMA

JMA irudia  
Image JMA  
Image JMA  
Bild JMA  
Imagem JMA  
Zdjęcie JMA

4.

## Imagen detallada

Irudi xehea  
Detailed image  
Image de detail  
Detailliertes bild  
Imagem detalhada  
Szczegółowe zdjęcie

5.

## Detalles pila

Pilaren xehetasunak  
Battery details  
Detail pile  
Detail batt  
Detalhes pila  
Informacje o baterii

6.

## Botones

Botoiak  
Buttons  
Bouton  
Knöpfe  
Botões  
Przyciski

7.

## Perfil

Perfila  
Profile  
Profil  
profil  
Perfil  
Profil

8.

## Espadin JMA

JMA ezpata  
JMA blade  
Lame JMA  
Zunge JMA  
Lamina JMA  
Grot JMA

9.

## Convertibilidad

Bihurgarritasuna  
Convertibility  
Convertible  
Konvertierbarkeit  
Convertibilidade  
Zamiennik

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|                         |    | MLNE-51.P4           | 38 | MLSMR02                | 45 | MLV004                  | 51 |
| <b>FOR: NISSAN®</b>     |    | MLNE-51.P5           | 38 | MLSMR03                | 45 | MLHU-HAA.P3             | 51 |
| MLNS01                  | 30 | MLNE-51.P6           | 38 | MLME-HY.P1             | 45 | MLHU-HAA.P4             | 51 |
| MLDAT-15.P6             | 31 | MLSIX-3.P4           | 39 | MLME-HY.P2             | 45 | MLHU-HAA.P5             | 51 |
| MLDAT-15.P7             | 31 | MLSIX-3.P5           | 39 | MLSMR-1.P1             | 45 | MLHU-HAA.P6             | 52 |
| MLDAT-15.P8             | 31 | MLSIX-3.P7           | 39 |                        |    |                         |    |
|                         |    |                      |    | <b>FOR: SSANGYONG®</b> |    |                         |    |
| <b>FOR: OPEL®</b>       |    | <b>FOR: RENAULT®</b> |    | MLSSA-1.P2             | 45 |                         |    |
| MLOP01                  | 31 | MLCIT-1.P1           | 39 |                        |    | <b>FOR: SUBARU®</b>     |    |
| MLOP02                  | 31 | MLCIT-1.P2           | 39 | MLSUB-2.P1             | 46 | MLSUZU01                | 47 |
| MLOP03                  | 31 | MLCIT-1.P8           | 39 | MLSUB-2.P3             | 46 | MLSZ01                  | 47 |
| MLOP04                  | 32 | MLCIT-1.P9           | 40 | MLSUB-2.P4             | 46 | MLSUZU-14.P3            | 47 |
| MLOP05                  | 32 | MLCIT-1.P12          | 40 | MLSUB-3.P3             | 46 | MLSUZU-14.P4            | 47 |
| MLOP-11.P3              | 32 | MLCIT-1.P13          | 40 | MLSUB-3.P4             | 46 | MLTOYO-15.P9            | 47 |
| MLOP-11.P4              | 32 | MLNE-38.P7           | 40 | MLISU-3D.P4            | 46 |                         |    |
| MLCIT-1.P8              | 32 | MLNE-38.P8           | 40 |                        |    | <b>FOR: SUZUKI®</b>     |    |
| MLCIT-1.P9              | 32 | MLNE-38.P9           | 40 |                        |    | MLSUZU01                | 47 |
| MLNE-38.P8              | 33 | MLNE-38.P10          | 41 |                        |    | MLSZ01                  | 47 |
| MLNE-38.P11             | 33 | MLNE-38.P11          | 41 |                        |    | MLSUZU-14.P3            | 47 |
| MLNE-38.P12             | 33 | MLNE-38.P12          | 41 |                        |    | MLSUZU-14.P4            | 47 |
| MLOP-11.P6              | 33 | MLNE-38.P13          | 41 |                        |    | MLTOYO-15.P9            | 47 |
| MLOP-11.P7              | 33 | MLNE-38.P14          | 41 | <b>FOR: TOYOTA®</b>    |    |                         |    |
|                         |    | MLVA-34.P5           | 41 | MLTOYO01               | 47 |                         |    |
| <b>FOR: PEUGEOT®</b>    |    | MLVA-34.P6           | 42 | MLTOYO02               | 48 |                         |    |
| MLCIT01                 | 33 | MLVA-34.P7           | 42 |                        |    |                         |    |
| MLCIT02                 | 34 | MLVA-34.P8           | 42 |                        |    |                         |    |
| MLCIT03                 | 34 | MLVA-34.P9           | 42 |                        |    |                         |    |
| MLCIT04                 | 34 | MLVA-34.P10          | 42 |                        |    |                         |    |
| MLCIT-1.P1              | 34 |                      |    |                        |    |                         |    |
| MLCIT-1.P2              | 34 | <b>FOR: ROVER®</b>   |    |                        |    |                         |    |
| MLCIT-1.P3              | 34 |                      |    |                        |    |                         |    |

| REF         | PAG         | REF          | PAG               | REF          | PAG          | REF           | PAG          |
|-------------|-------------|--------------|-------------------|--------------|--------------|---------------|--------------|
| MLAF01      | 2           | MLFI-13.P11  | 24                | MLHU-HCA.P7  | 12 / 25 / 37 | MLOP-11.P6    | 6 / 33       |
| MLAU01      | 2           | MLFI-13.P9   | 16                | MLHU-HCA.P8  | 25 / 37      | MLOP-11.P7    | 33           |
| MLAU02      | 2           | MLFI-16.P10  | 17                | MLHU-HCA.P9  | 11 / 36      | MLOP-11.P8    | 6            |
| MLAU03      | 2           | MLFI-16.P11  | 18                | MLHY-11.P5   | 22           | MLOP-WH.P1    | 6            |
| MLAU04      | 3           | MLFI-16.P12  | 18                | MLHY-11D.P2  | 22           | MLOP-WH.P2    | 6            |
| MLAU05      | 3           | MLFI-16.P13  | 18                | MLHY-11D.P6  | 22           | MLOP-WH.P3    | 6            |
| MLAU06      | 3           | MLFI-16.P14  | 18                | MLHY-11D.P7  | 23           | MLOP01        | 31           |
| MLAU07      | 3           | MLFI-16.P2   | 17                | MLHY-18.P2   | 23           | MLOP02        | 31           |
| MLBM-5.P1   | 4           | MLFI-16.P3   | 17 / 24           | MLHY-18.P4   | 23           | MLOP03        | 31           |
| MLBM-5.P2   | 4           | MLFI-16.P4   | 2                 | MLHY-18.P5   | 23           | MLOP04        | 32           |
| MLBM-5.P3   | 4           | MLFI-16.P5   | 2                 | MLHY-18.P6   | 23           | MLOP05        | 32           |
| MLBM-6.P2   | 4           | MLFI-16.P6   | 17                | MLHY-18.P7   | 23           | MLRV01        | 42           |
| MLBM-6.P3   | 4           | MLFI-16.P8   | 17                | MLHY-18.P8   | 24           | MLSAA-3.P2    | 43           |
| MLBM-6.P4   | 5           | MLFI01       | 14 / 36           | MLHY01       | 22           | MLSIX-3.P4    | 13 / 39      |
| MLBM-6.P5   | 5           | MLFI02       | 15 / 36           | MLHY02       | 22           | MLSIX-3.P5    | 13 / 39      |
| MLBM-8.P1   | 29          | MLFI03       | 15                | MLHY03       | 22           | MLSIX-3.P6    | 13           |
| MLBM-8.P2   | 29          | MLFI04       | 15                | MLISU-3D.P3  | 24           | MLSIX-3.P7    | 13 / 39      |
| MLBM-8.P3   | 29 / 43     | MLFI05       | 15                | MLISU-3D.P4  | 46           | MLSIX-3.P8    | 13           |
| MLBM-9.P    | 5           | MLFI06       | 15                | MLKI-9.P1    | 48           | MLSMR-1.P1    | 45           |
| MLBM01      | 3           | MLFI07       | 15                | MLMAZ-11D.P3 | 27           | MLSMR01       | 44           |
| MLBM02      | 4           | MLFI08       | 16                | MLMAZ-21D.P2 | 27           | MLSMR02       | 45           |
| MLCHR-15.P2 | 7           | MLFI09       | 16                | MLMAZ-21D.P3 | 27           | MLSMR03       | 45           |
| MLCHR-15.P3 | 8           | MLFI10       | 16                | MLME-2.P1    | 28           | MLSSA-1.P2    | 45           |
| MLCHR-15.P4 | 8           | MLFI11       | 16                | MLME-2.P2    | 28           | MLSUB-2.P1    | 46           |
| MLCHR-15.P5 | 8           | MLFI12       | 16                | MLME-2.P3    | 28           | MLSUB-2.P3    | 46           |
| MLCHR-15.P6 | 8           | MLFO-24.P1   | 19                | MLME-7.P1    | 28           | MLSUB-2.P4    | 46           |
| MLCHR01     | 6           | MLFO-24.P3   | 19                | MLME-7.P2    | 28           | MLSUB-3.P3    | 46           |
| MLCHR02     | 7           | MLFO-24.P4   | 20                | MLME-7.P3    | 28           | MLSUB-3.P4    | 46           |
| MLCHR03     | 7           | MLF001       | 19                | MLME-HY.P1   | 45           | MLSUZU-14.P3  | 47           |
| MLCHR04     | 7           | MLF002       | 19                | MLME-HY.P2   | 45           | MLSUZU-14.P4  | 47           |
| MLCHR05     | 7           | MLF003       | 19                | MLME01       | 27           | MLSUZU01      | 47           |
| MLCHR06     | 7           | MLF004       | 19                | MLME02       | 27           | MLSZ01        | 47           |
| MLCIT-1.P1  | 9 / 34 / 39 | MLGM-49D.P1  | 5                 | MLME03       | 27           | MLTOYO-15.P3  | 26 / 48      |
| MLCIT-1.P10 | 10 / 35     | MLGM01       | 5                 | MLMIT-12.P3  | 30           | MLTOYO-15.P4  | 48           |
| MLCIT-1.P11 | 10 / 35     | MLHOND-31.P1 | 20                | MLMIT-12.P4  | 30           | MLTOYO-15.P5  | 26 / 49      |
| MLCIT-1.P12 | 40          | MLHOND-31.P2 | 20                | MLMIT-8D.P3  | 30           | MLTOYO-15.P6  | 26 / 49      |
| MLCIT-1.P13 | 40          | MLHOND-31.P3 | 20                | MLMIT-8D.P4  | 30           | MLTOYO-15.P7  | 49           |
| MLCIT-1.P14 | 11          | MLHOND-31.P4 | 21                | MLMIT-8D.P5  | 30           | MLTOYO-15.P9  | 47           |
| MLCIT-1.P15 | 48          | MLHOND-31.P5 | 21                | MLMIT01      | 29           | MLTOYO-19.P1  | 49           |
| MLCIT-1.P16 | 48          | MLHOND-31.P6 | 21                | MLMIT02      | 29           | MLTOYO-19.P2  | 26 / 49      |
| MLCIT-1.P2  | 9 / 34 / 39 | MLHOND-31.P7 | 21                | MLNE-38.P10  | 41           | MLTOYO-19.P3  | 49           |
| MLCIT-1.P3  | 9 / 34      | MLHOND-31.P8 | 21                | MLNE-38.P11  | 33 / 41      | MLTOYO-20D.P2 | 50           |
| MLCIT-1.P4  | 10 / 35     | MLHOND-31.P9 | 21                | MLNE-38.P12  | 33 / 41      | MLTOYO-20D.P3 | 50           |
| MLCIT-1.P5  | 10 / 35     | MLHOND01     | 14                | MLNE-38.P13  | 41           | MLTOYO-30.P2  | 26 / 50      |
| MLCIT-1.P6  | 10 / 35     | MLHOND02     | 20                | MLNE-38.P14  | 41           | MLTOYO-36.P1  | 26 / 50      |
| MLCIT-1.P7  | 10 / 35     | MLHOND03     | 20                | MLNE-38.P15  | 38           | MLTOYO-43.P1  | 50           |
| MLCIT-1.P8  | 32 / 39     | MLHU-DH.P4   | 29                | MLNE-38.P5   | 12 / 37      | MLTOY001      | 25 / 47      |
| MLCIT-1.P9  | 32 / 40     | MLHU-HAA.P2  | 3                 | MLNE-38.P6   | 13 / 38      | MLTOY002      | 48           |
| MLCIT01     | 8 / 33      | MLHU-HAA.P3  | 51                | MLNE-38.P7   | 40           | MLVA-34.P10   | 42           |
| MLCIT02     | 8 / 34      | MLHU-HAA.P4  | 51                | MLNE-38.P8   | 33 / 40      | MLVA-34.P5    | 41           |
| MLCIT03     | 9 / 34      | MLHU-HAA.P5  | 51                | MLNE-38.P9   | 40           | MLVA-34.P6    | 42           |
| MLCIT04     | 9 / 34      | MLHU-HAA.P6  | 52                | MLNE-51.P3   | 38           | MLVA-34.P7    | 42           |
| MLCIT05     | 9           | MLHU-HCA.P1  | 11 / 18 / 25 / 36 | MLNE-51.P4   | 38           | MLVA-34.P8    | 14 / 42      |
| MLDAC-4D.P1 | 14          | MLHU-HCA.P10 | 12                | MLNE-51.P5   | 38           | MLVA-34.P9    | 14 / 42      |
| MLDAC-6D.P1 | 14          | MLHU-HCA.P11 | 12                | MLNE-51.P6   | 38           | MLV001        | 43 / 44 / 50 |
| MLDAE-3D.P6 | 5           | MLHU-HCA.P2  | 11 / 18 / 25 / 36 | MLNE-52.P3   | 25           | MLV002        | 43 / 44 / 51 |
| MLDAT-15.P6 | 31          | MLHU-HCA.P3  | 11 / 36           | MLNE-52.P4   | 43           | MLV003        | 43 / 44 / 51 |
| MLDAT-15.P7 | 31          | MLHU-HCA.P4  | 11 / 37           | MLNS01       | 30           | MLV004        | 44 / 51      |
| MLDAT-15.P8 | 31          | MLHU-HCA.P5  | 12 / 24 / 37      | MLOP-11.P3   | 32           |               |              |
| MLFI-13.P10 | 17 / 24     | MLHU-HCA.P6  | 12 / 37           | MLOP-11.P4   | 32           |               |              |



# **LLAVES** **KEYS**

*GILTZAK* **CLES** *SCHLÜSSEL* **CHAVES** *KLUCZE*

## MLAF01 FOR: ALFA ROMEO®



## MLFI-16.P4 FOR: ALFA ROMEO®



## MLFI-16.P5 FOR: ALFA ROMEO®



## MLAU01 FOR: AUDI®



TP00HU-HAA.TLV

## MLAU02 FOR: AUDI®



TP00HU-HAA.TLV

## MLAU03 FOR: AUDI®



TP00HU-HAA.TLV

**MLAU04 FOR: AUDI®**



TP00HU-HAA.TLV

**MLAU05 FOR: AUDI®**



**MLAU06 FOR: AUDI®**



**MLAU07 FOR: AUDI®**



**MLHU-HAA.P2 FOR: AUDI®**



HU-HAAC4

**MLBM01 FOR: BMW®**



## MLBM02 FOR: BMW<sup>®</sup>



2

## MLBM-5.P1 FOR: BMW<sup>®</sup>



3



## MLBM-5.P2 FOR: BMW<sup>®</sup>



2

## MLBM-5.P3 FOR: BMW<sup>®</sup>



3



## MLBM-6.P2 FOR: BMW<sup>®</sup>



3



## MLBM-6.P3 FOR: BMW<sup>®</sup>



2

**MLBM-6.P4 FOR: BMW®**



**MLBM-6.P5 FOR: BMW®**



**BM-6.P5C1**

**MLBM-9.P FOR: BMW®**



**BM-9.P1C1**

**MLDAE-3D.P6 FOR: CHEVROLET®**



**MLGM01 FOR: CHEVROLET®**



**TP000P-WHTL2**

**MLGM-49D.P1 FOR: CHEVROLET®**



## MLOP-11.P6 FOR: CHEVROLET®



## MLOP-11.P8 FOR: CHEVROLET®



## MLOP-WH.P1 FOR: CHEVROLET®



## MLOP-WH.P2 FOR: CHEVROLET®



## MLOP-WH.P3 FOR: CHEVROLET®



## MLCHR01 FOR: CHRYSLER®



**MLCHR02 FOR: CHRYSLER®**



**MLCHR03 FOR: CHRYSLER®**



**MLCHR04 FOR: CHRYSLER®**



**MLCHR05 FOR: CHRYSLER®**



**MLCHR06 FOR: CHRYSLER®**



**MLCHR-15.P2 FOR: CHRYSLER®**



### MLCHR-15.P3 FOR: CHRYSLER®



### MLCHR-15.P4 FOR: CHRYSLER®



### MLCHR-15.P5 FOR: CHRYSLER®



### MLCHR-15.P6 FOR: CHRYSLER®



### MLCIT01 FOR: CITROEN®



### MLCIT02 FOR: CITROEN®



**MLCIT03** FOR: CITROEN®



2

**MLCIT04** FOR: CITROEN®



2

**MLCIT05** FOR: CITROEN®



3



**MLCIT-1.P1** FOR: CITROEN®



2



**MLCIT-1.P2**

**MLCIT-1.P2** FOR: CITROEN®



2

**PEU-1C1**

**MLCIT-1.P3** FOR: CITROEN®



2

**PEU-1C1**

## MLCIT-1.P11 FOR: CITROEN®



2



PEU-1C1

## MLCIT-1.P4 FOR: CITROEN®



3



PEU-1C1

## MLCIT-1.P5 FOR: CITROEN®



3



PEU-1C1

## MLCIT-1.P6 FOR: CITROEN®



3



PEU-1C1

## MLCIT-1.P7 FOR: CITROEN®



4



PEU-1C1

## MLCIT-1.P10 FOR: CITROEN®



3



PEU-1C1

**MLCIT-1.P14 FOR: CITROEN®**



**MLHU-HCA.P1 FOR: CITROEN®**



**MLHU-HCA.P2**

**MLHU-HCA.P2 FOR: CITROEN®**



**MLHU-HCA.P3 FOR: CITROEN®**



**MLHU-HCA.P9 FOR: CITROEN®**



**MLHU-HCA.P4 FOR: CITROEN®**



**MLHU-HCA.P5 FOR: CITROEN<sup>®</sup>**



**MLHU-HCA.P6 FOR: CITROEN<sup>®</sup>**



**MLHU-HCA.P7 FOR: CITROEN<sup>®</sup>**



**MLHU-HCA.P10 FOR: CITROEN<sup>®</sup>**



**MLHU-HCA.P11 FOR: CITROEN<sup>®</sup>**



**MLNE-38.P5 FOR: CITROEN<sup>®</sup>**



**NE-60C3**

**MLNE-38.P6**

**MLNE-38.P6 FOR: CITROEN®**



**MLSIX-3.P4 FOR: CITROEN®**



**MLSIX-3.P5 FOR: CITROEN®**



**MLSIX-3.P6 FOR: CITROEN®**



**MLSIX-3.P7 FOR: CITROEN®**



**MLSIX-3.P8 FOR: CITROEN®**



**MLHOND01 FOR: COBRA<sup>®</sup>**



2

**MLDAC-4D.P1 FOR: DACIA<sup>®</sup>**



2



DAC-4DC1

**MLDAC-6D.P1 FOR: DACIA<sup>®</sup>**



2



DAC-6DP

**MLVA-34.P8 FOR: DACIA<sup>®</sup>**



1



VA-61C3

**MLVA-34.P9 FOR: DACIA<sup>®</sup>**



2



VA-61C3

**MLFI01 FOR: FIAT<sup>®</sup>**



3



**MLFI02** FOR: FIAT®



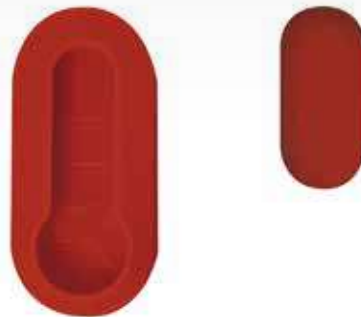
**MLFI03** FOR: FIAT®



**MLFI04** FOR: FIAT®



**MLFI05** FOR: FIAT®



**MLFI06** FOR: FIAT®



**MLFI07** FOR: FIAT®



**MLFI08 FOR: FIAT<sup>®</sup>**



**MLFI09 FOR: FIAT<sup>®</sup>**



**MLFI10 FOR: FIAT<sup>®</sup>**



1

**MLFI11 FOR: FIAT<sup>®</sup>**



3



**MLFI12 FOR: FIAT<sup>®</sup>**



3



**MLFI-13.P9 FOR: FIAT<sup>®</sup>**



1

**MLFI-13.P10 FOR: FIAT®**



**MLFI-16.P2 FOR: FIAT®**



**MLFI-16.P3 FOR: FIAT®**



**MLFI-16.P6 FOR: FIAT®**



**MLFI-16.P8 FOR: FIAT®**



**MLFI-16.P10 FOR: FIAT®**



FI-16.P10C3

**MLFI-16.P11 FOR: FIAT<sup>®</sup>**



**MLFI-16.P12 FOR: FIAT<sup>®</sup>**



**MLFI-16.P13 FOR: FIAT<sup>®</sup>**



**MLFI-16.P14 FOR: FIAT<sup>®</sup>**



**MLHU-HCA.P1 FOR: FIAT<sup>®</sup>**



**MLHU-HCA.P2**

**MLHU-HCA.P2 FOR: FIAT<sup>®</sup>**



**MLF001 FOR: FORD®**



TP00FO-6.TL  
TP00FO-24.TL

**MLF002 FOR: FORD®**



TP00FO-6.TL2  
TP00FO-24.TL2]

**MLF003 FOR: FORD®**



**MLF004 FOR: FORD®**



TP00FO-6.TL  
TP00FO-24.TL

**MLFO-24.P1 FOR: FORD®**



**MLFO-24.P3 FOR: FORD®**



FO-24.P3C10

## MLFO-24.P4 FOR: FORD<sup>®</sup>



FO-24C3

## MLHOND02 FOR: HONDA<sup>®</sup>



## MLHOND03 FOR: HONDA<sup>®</sup>



## MLHOND-31.P1 FOR: HONDA<sup>®</sup>



## MLHOND-31.P2 FOR: HONDA<sup>®</sup>



## MLHOND-31.P3 FOR: HONDA<sup>®</sup>



**MLHOND-31.P4 FOR: HONDA®**



**2**

**MLHOND-31.P5 FOR: HONDA®**



**3**



**MLHOND-31.P6 FOR: HONDA®**



**3**



**MLHOND-31.P7 FOR: HONDA®**



**2+1**

**MLHOND-31.P8 FOR: HONDA®**



**3+1**



**MLHOND-31.P9 FOR: HONDA®**



**3**



**MLHY01 FOR: HYUNDAI<sup>®</sup>**



2

**MLHY02 FOR: HYUNDAI<sup>®</sup>**



3



**MLHY03 FOR: HYUNDAI<sup>®</sup>**



2

**MLHY-11.P5 FOR: HYUNDAI<sup>®</sup>**



3

**MLHY-11D.P2 FOR: HYUNDAI<sup>®</sup>**



3



**MLHY-11D.P6 FOR: HYUNDAI<sup>®</sup>**



3



**MLHY-11D.P7 FOR: HYUNDAI®**



**MLHY-18.P2 FOR: HYUNDAI®**



**MLHY-18.P4 FOR: HYUNDAI®**



**MLHY-18.P5 FOR: HYUNDAI®**



**MLHY-18.P6 FOR: HYUNDAI®**



**MLHY-18.P7 FOR: HYUNDAI®**



## MLHY-18.P8 FOR: HYUNDAI®



## MLISU-3D.P3 FOR: ISUZU®



## MLFI-13.P11 FOR: IVECO®



## MLFI-13.P10 FOR: LANCIA®



## MLFI-16.P3 FOR: LANCIA®



## MLHU-HCA.P5 FOR: LANCIA®



**MLHU-HCA.P7** FOR: LANCIA®



**MLHU-HCA.P8** FOR: LANCIA®



**MLNE-52.P3** FOR: LAND RANGE ROVER®



**MLTOY001** FOR: LEXUS®



**MLHU-HCA.P1** FOR: LEXUS®



**MLHU-HCA.P2**

**MLHU-HCA.P2** FOR: LEXUS®



### MLTOYO-15.P3 FOR: LEXUS®



2

### MLTOYO-15.P5 FOR: LEXUS®



2

### MLTOYO-15.P6 FOR: LEXUS®



3



### MLTOYO-19.P2 FOR: LEXUS®



2

### MLTOYO-30.P2 FOR: LEXUS®



3



### MLTOYO-36.P1 FOR: LEXUS®



2

**MLMAZ-11D.P3 FOR: MAZDA®**



**MLMAZ-21D.P2 FOR: MAZDA®**



**MLMAZ-21D.P3 FOR: MAZDA®**



**MLME01 FOR: MERCEDES®**



**MLME02 FOR: MERCEDES®**



**MLME03 FOR: MERCEDES®**



### MLME-2.P1 FOR: MERCEDES®



1

### MLME-2.P2 FOR: MERCEDES®



2

### MLME-2.P3 FOR: MERCEDES®



3



### MLME-7.P1 FOR: MERCEDES®



1

### MLME-7.P2 FOR: MERCEDES®



2

### MLME-7.P3 FOR: MERCEDES®



3



**MLBM-8.P1** FOR: MINI®



2

**MLBM-8.P2** FOR: MINI®



3



**MLBM-8.P3** FOR: MINI®



2

**MLMIT01** FOR: MITSUBISHI®



2+1

**MLMIT02** FOR: MITSUBISHI®



2

**MLHU-DH.P4** FOR: MITSUBISHI®



2

**MLMIT-8D.P3 FOR: MITSUBISHI<sup>®</sup>**



**MLMIT-8D.P4 FOR: MITSUBISHI<sup>®</sup>**



**MLMIT-8D.P5 FOR: MITSUBISHI<sup>®</sup>**



**MLMIT-12.P3 FOR: MITSUBISHI<sup>®</sup>**



**MLMIT-12.P4 FOR: MITSUBISHI<sup>®</sup>**



**MLNS01 FOR: NISSAN<sup>®</sup>**



**MLDAT-15.P6** FOR: NISSAN®



**MLDAT-15.P7** FOR: NISSAN®



**MLDAT-15.P8** FOR: NISSAN®



**MLOP01** FOR: OPEL®



TP00OP-11.TL  
TP00OP-D.TL  
TP00OP-S.TL  
TP00OP-WH.TL

**MLOP02** FOR: OPEL®



TP00OP-11.TL  
TP00OP-D.TL  
TP00OP-S.TL  
TP00OP-WH.TL

**MLOP03** FOR: OPEL®



TP00OP-11.TL2  
TP00OP-D.TL2  
TP00OP-S.TL2

**MLOP04 FOR: OPEL<sup>®</sup>**



2

**MLOP05 FOR: OPEL<sup>®</sup>**



3



**MLOP-11.P3 FOR: OPEL<sup>®</sup>**



2

**MLOP-11.P4 FOR: OPEL<sup>®</sup>**



3



**MLCIT-1.P8 FOR: OPEL<sup>®</sup>**



2

**MLCIT-1.P9 FOR: OPEL<sup>®</sup>**



3



**MLNE-38.P8** FOR: OPEL®



2



NE-60C3

**MLNE-38.P11** FOR: OPEL®



2



NE-60C3

**MLNE-38.P12** FOR: OPEL®



3



NE-60C3

**MLOP-11.P6** FOR: OPEL®



2



**MLOP-11.P7** FOR: OPEL®



3



**MLCIT01** FOR: PEUGEOT®



2

**MLCIT02 FOR: PEUGEOT®**



2

**MLCIT03 FOR: PEUGEOT®**



2

**MLCIT04 FOR: PEUGEOT®**



2

**MLCIT-1.P1 FOR: PEUGEOT®**



2



MLCIT-1.P2

**MLCIT-1.P2 FOR: PEUGEOT®**



2

PEU-1C1

**MLCIT-1.P3 FOR: PEUGEOT®**



2

PEU-1C1

**MLCIT-1.P11 FOR: PEUGEOT®**



**2**



PEU-1C1

**MLCIT-1.P4 FOR: PEUGEOT®**



**3**



PEU-1C1

**MLCIT-1.P5 FOR: PEUGEOT®**



**3**



PEU-1C1

**MLCIT-1.P6 FOR: PEUGEOT®**



**3**



PEU-1C1

**MLCIT-1.P7 FOR: PEUGEOT®**



**4**



PEU-1C1

**MLCIT-1.P10 FOR: PEUGEOT®**



**3**



PEU-1C1

## MLFI01 FOR: PEUGEOT®



## MLFI02 FOR: PEUGEOT®



## MLHU-HCA.P1 FOR: PEUGEOT®



MLHU-HCA.P2

## MLHU-HCA.P2 FOR: PEUGEOT®



## MLHU-HCA.P3 FOR: PEUGEOT®



## MLHU-HCA.P9 FOR: PEUGEOT®



**MLHU-HCA.P4 FOR: PEUGEOT®**



**MLHU-HCA.P5 FOR: PEUGEOT®**



**MLHU-HCA.P6 FOR: PEUGEOT®**



**MLHU-HCA.P7 FOR: PEUGEOT®**



**MLHU-HCA.P8 FOR: PEUGEOT®**



**MLNE-38.P5 FOR: PEUGEOT®**



**NE-60C3**

## MLNE-38.P6 FOR: PEUGEOT<sup>®</sup>



## MLNE-38.P15 FOR: PEUGEOT<sup>®</sup>



## MLNE-51.P3 FOR: PEUGEOT<sup>®</sup>



MLNE-51.P4

## MLNE-51.P4 FOR: PEUGEOT<sup>®</sup>



PEU-2C1

## MLNE-51.P5 FOR: PEUGEOT<sup>®</sup>



PEU-2C1

## MLNE-51.P6 FOR: PEUGEOT<sup>®</sup>



PEU-2C1

**MLSIX-3.P4 FOR: PEUGEOT®**



MLSIX-3.P5

**MLSIX-3.P5 FOR: PEUGEOT®**



**MLSIX-3.P7 FOR: PEUGEOT®**



**MLCIT-1.P1 FOR: RENAULT®**



MLCIT-1.P2

**MLCIT-1.P2 FOR: RENAULT®**



PEU-1C1

**MLCIT-1.P8 FOR: RENAULT®**



## MLCIT-1.P9 FOR: RENAULT®



## MLCIT-1.P12 FOR: RENAULT®



PEU-1C1

## MLCIT-1.P13 FOR: RENAULT®



PEU-1C1

## MLNE-38.P7 FOR: RENAULT®



NE-60C3

## MLNE-38.P8 FOR: RENAULT®



NE-60C3

## MLNE-38.P9 FOR: RENAULT®



NE-60C3

**MLNE-38.P10 FOR: RENAULT®**



**1**



NE-60C3

**MLNE-38.P11 FOR: RENAULT®**



**2**



NE-60C3

**MLNE-38.P12 FOR: RENAULT®**



**3**



NE-60C3

**MLNE-38.P13 FOR: RENAULT®**



**1**

1620



NE-60C3

**MLNE-38.P14 FOR: RENAULT®**



**1**



NE-60C3

**MLVA-34.P5 FOR: RENAULT®**



**1**



VA-61C3

## MLVA-34.P6 FOR: RENAULT®



2



VA-61C3

## MLVA-34.P7 FOR: RENAULT®



1



VA-61C3

## MLVA-34.P8 FOR: RENAULT®



1



VA-61C3

## MLVA-34.P9 FOR: RENAULT®



2



VA-61C3

## MLVA-34.P10 FOR: RENAULT®



3



VA-61C3

## MLRV01 FOR: ROVER®



2

**MLBM-8.P3 FOR: ROVER®**



2

**MLNE-52.P4 FOR: ROVER®**



2

**MLSAA-3.P2 FOR: SAAB®**



4



**SAA-3.P2C2**

**MLV001 FOR: SEAT®**



2

TP00HU-HAA.TLN

**MLV002 FOR: SEAT®**



3



TP00HU-HAA.TLN

**MLV003 FOR: SEAT®**



2

**MLV004 FOR: SEAT<sup>®</sup>**



**MLV001 FOR: SKODA<sup>®</sup>**



TP00HU-HAA.TLN

**MLV002 FOR: SKODA<sup>®</sup>**



TP00HU-HAA.TLN

**MLV003 FOR: SKODA<sup>®</sup>**



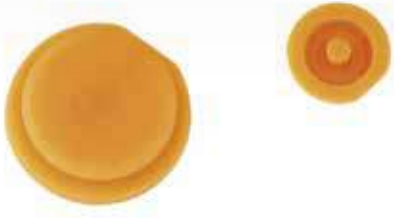
**MLV004 FOR: SKODA<sup>®</sup>**



**MLSMR01 FOR: SMART<sup>®</sup>**



**MLSMR02** FOR: SMART®



1

**MLSMR03** FOR: SMART®



3



**MLME-HY.P1** FOR: SMART®



3



**MLME-HY.P2** FOR: SMART®



1

**MLSMR-1.P1** FOR: SMART®



3



**MLSSA-1.P2** FOR: SSANGYONG®



2

## MLSUB-2.P1 FOR: SUBARU<sup>®</sup>



## MLSUB-2.P3 FOR: SUBARU<sup>®</sup>



## MLSUB-2.P4 FOR: SUBARU<sup>®</sup>



## MLSUB-3.P3 FOR: SUBARU<sup>®</sup>



## MLSUB-3.P4 FOR: SUBARU<sup>®</sup>



## MLISU-3D.P4 FOR: SUBARU<sup>®</sup>



**MLSUZU01** FOR: SUZUKI®



2

**MLSZ01** FOR: SUZUKI®



2

**MLSUZU-14.P3** FOR: SUZUKI®



2

**MLSUZU-14.P4** FOR: SUZUKI®



2

SUZU-14.P4C1

**MLTOYO-15.P9** FOR: SUZUKI®



2

**MLTOYO01** FOR: TOYOTA®



3



## MLTOY002 FOR: TOYOTA®



2

## MLKI-9.P1 FOR: TOYOTA®



2

## MLCIT-1.P15 FOR: TOYOTA®



3



PEU-1C1

## MLCIT-1.P16 FOR: TOYOTA®



3



PEU-1C1

## MLTOYO-15.P3 FOR: TOYOTA®



2

## MLTOYO-15.P4 FOR: TOYOTA®



3



**MLTOYO-15.P5 FOR: TOYOTA®**



**MLTOYO-15.P6 FOR: TOYOTA®**



**MLTOYO-15.P7 FOR: TOYOTA®**



**MLTOYO-19.P1 FOR: TOYOTA®**



**MLTOYO-19.P2 FOR: TOYOTA®**



**MLTOYO-19.P3 FOR: TOYOTA®**



## MLTOYO-20D.P2 FOR: TOYOTA®



2

## MLTOYO-20D.P3 FOR: TOYOTA®



3

## MLTOYO-30.P2 FOR: TOYOTA®



3



## MLTOYO-36.P1 FOR: TOYOTA®



2

## MLTOYO-43.P1 FOR: TOYOTA®



2

## MLV001 FOR: VOLKSWAGEN®



2

TP00HU-HAA.TLN

**MLV002 FOR: VOLKSWAGEN®**



**3**



TP00HU-HAA.TLN

**MLV003 FOR: VOLKSWAGEN®**



**2**

**MLV004 FOR: VOLKSWAGEN®**



**3**



**MLHU-HAA.P3 FOR: VOLKSWAGEN®**



**3**



**MLHU-HAA.P4 FOR: VOLKSWAGEN®**



**3**



HU-HAAC1

**MLHU-HAA.P5 FOR: VOLKSWAGEN®**



**3**



HU-HAAC1

**MLHU-HAA.P6 FOR: VOLKSWAGEN<sup>®</sup>**



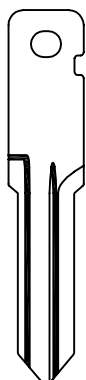
**HU-HAAC1**



***OTROS***  
***OTHERS***

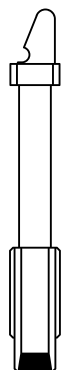
*BESTE BATZUK* ***AUTRES*** *ANDERE* ***OUTRAS*** *INNE*

**FOR DACIA®**



DAC-1DC1

**FOR FORD®**

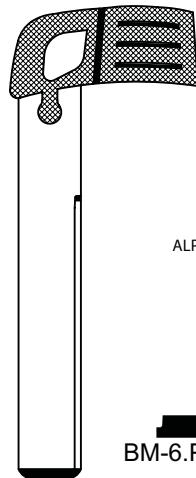


ALP.

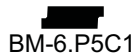


FO-6C1

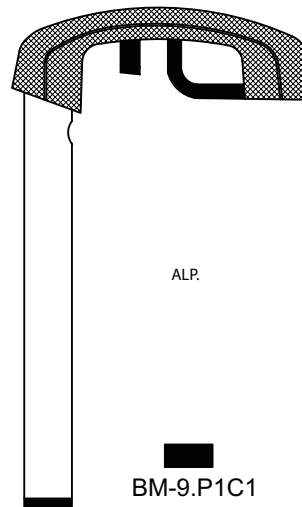
**FOR HUF®**



ALP.



BM-6.P5C1



ALP.



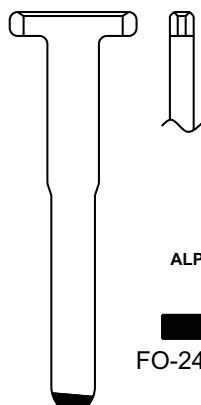
BM-9.P1C1

**FOR HUF®**



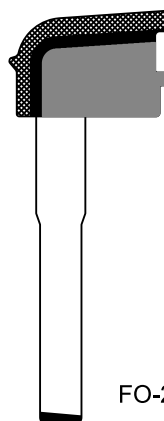
ALP.

FO-24C2



ALP.

FO-24C3



ALP.

FO-24.P3C10



ALP.

HU-HAAC1

**FOR HUF®**



ALP.

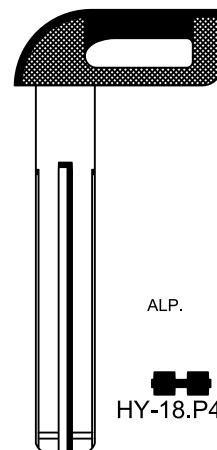
HU-HCAC1



LAT.

HU-HCAC3

**FOR HYUNDAI®**

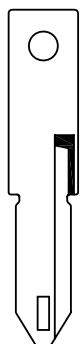


ALP.

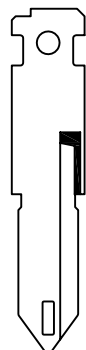
HY-18.P4C2

# ESPADINES/BLADES

FOR NEIMAN®

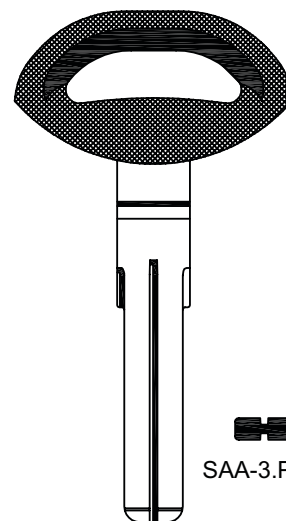


NE-60C1



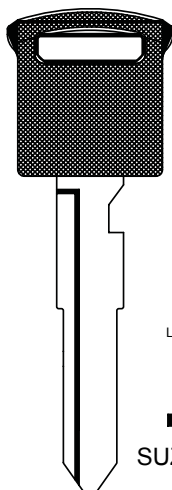
NE-60C3

FOR SAAB®



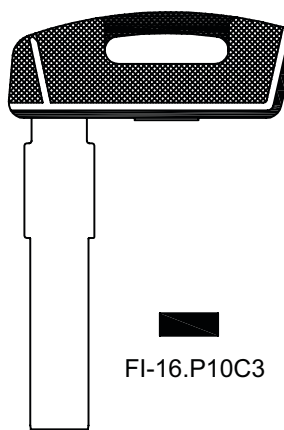
SAA-3.P2C2

FOR SUZUKI®

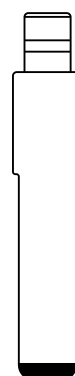


LAT.  
SUZU-14.P4C1

FOR TRW-SIPEA®



FI-16.P10C3



LAT.  
FI-16C2

FOR VACHETTE®

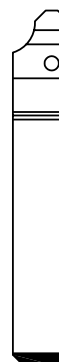


VA-61C3

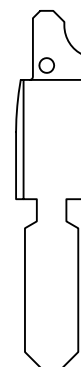
FOR VALEO®



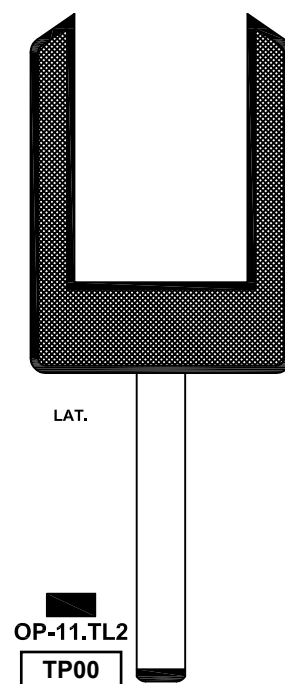
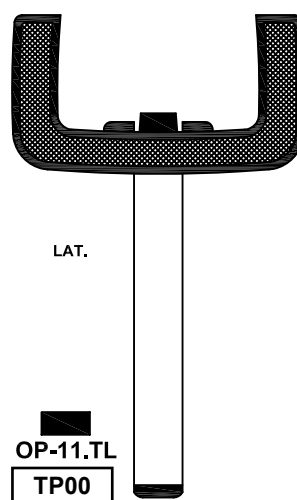
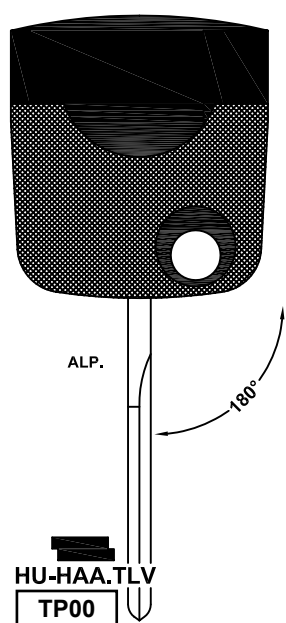
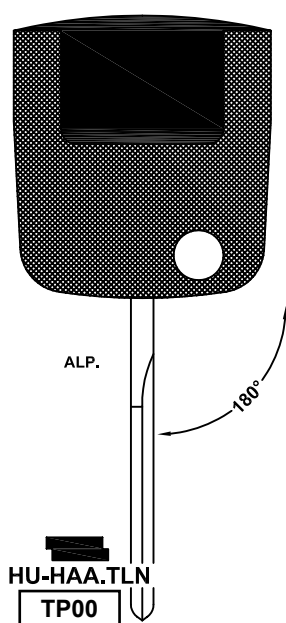
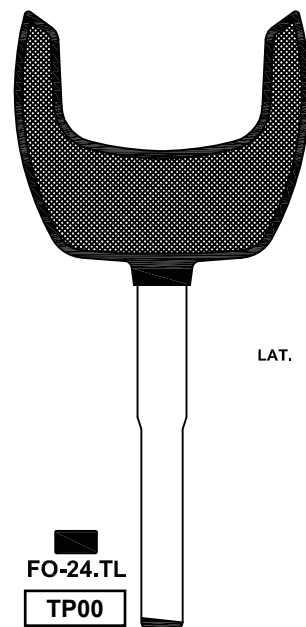
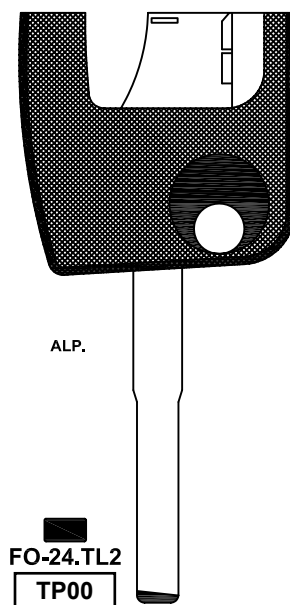
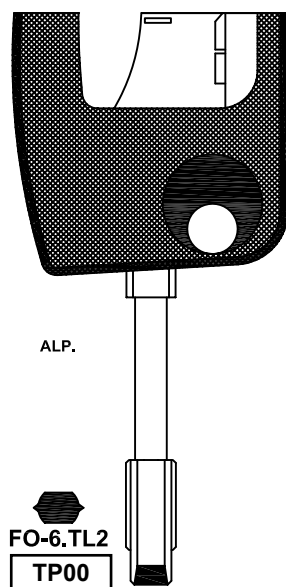
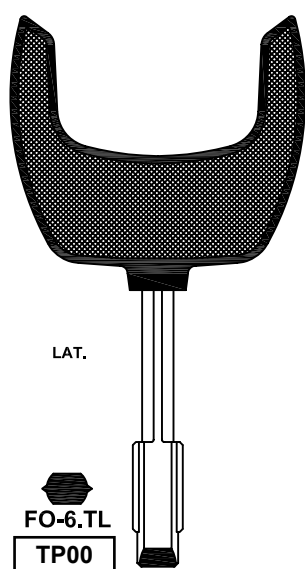
ALP.  
HU-HAAC4

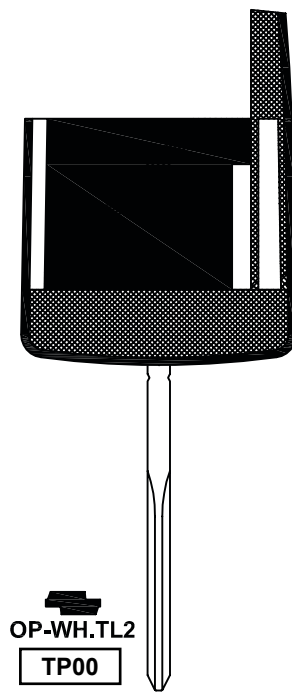
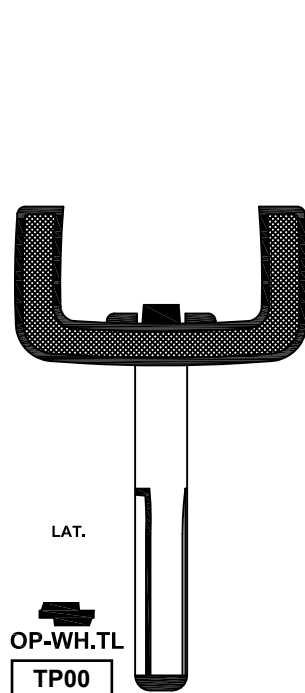
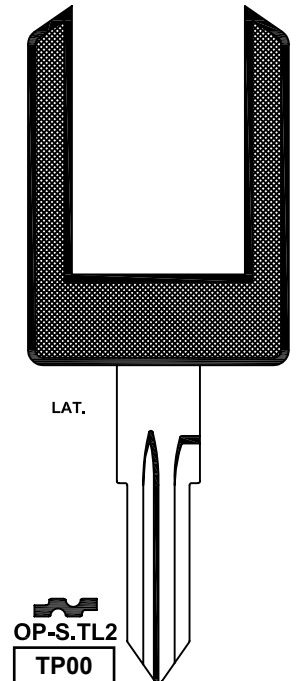
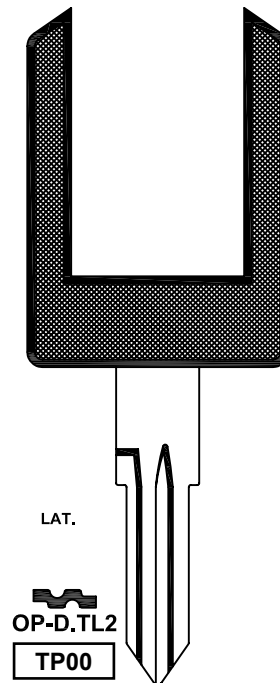
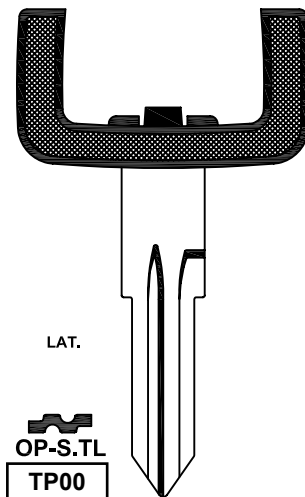
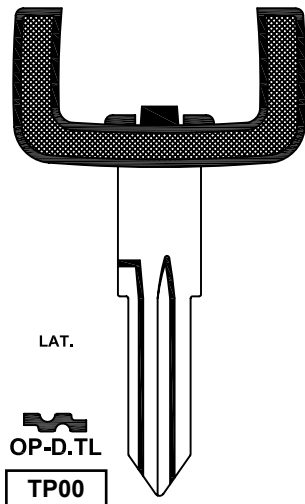


ALP.  
PEU-1C1



ALP.  
PEU-2C1







## SWITCH BLADE

**Soporte para cambio de espadines de las llaves escamoteables.**

**160 x 100 x 30 mm (ancho x largo x altura)**

*Support jig to enable easy and safe changing of blade of flipkey keys.*

*160 x 100 x 30 mm (width x length x height)*



## KIT PUNZONES / PUNCH KIT

**KIT Punzones para Switch Blade.**

*Punch KIT for Switch Blade.*

[illegible]

[illegible]



**JMA SPAIN**

JMA ALEJANDRO ALTUNA, S.L.U.  
Tel +34 943 79 30 00  
Bidekurtzeta, 6 P.O.Box - Apdo. 70  
20500 Arrasate - Mondragón  
Gipuzkoa – SPAIN  
[www.jma.es](http://www.jma.es)  
[ventas@jma.es](mailto:ventas@jma.es)

**JMA FRANCE**

JMA FRANCE SAS  
Tel +33 01 39 22 42 10  
Technoparc  
13, rue Edouard Jeanneret  
F- 78306 Poissy Cedex  
[www.jmafrance.fr](http://www.jmafrance.fr)  
[service.commercial@jmafrance.fr](mailto:service.commercial@jmafrance.fr)

**JMA POLSKA**

JMA POLSKA Sp. z o.o.  
Tel +48 42 635 12 80  
91- 342 Łódź, ul. Zbąszyńska 3  
[www.jmapolska.pl](http://www.jmapolska.pl)  
[biuro@jmapolska.pl](mailto:biuro@jmapolska.pl)

**JMA PORTUGAL**

ALTUNA PORTUGAL  
COMERCIO DE CHAVES UNIPessoal, LDA.  
Tel +351 219 947 470  
Rua de Goa Nº22  
2690-356 Santa Iria de Azoia  
[www.jmaportugal.com](http://www.jmaportugal.com)  
[comercial@jmaportugal.com](mailto:comercial@jmaportugal.com)

**JMA UK**

SKS T/A JMA UK  
Tel +44 144 229 1400  
Unit 2, Canalside Northbridge Road  
Berkhamsted  
Herts HP4 1EG  
[www.jma-uk.co.uk](http://www.jma-uk.co.uk)  
[sales@jma-uk.co.uk](mailto:sales@jma-uk.co.uk)

**JMA MAROC S.A.R.L.**

Tel +0520 150 535  
83,85 Bd Oued ZIZ, El Oulfa  
Casablanca  
[www.jma.ma](http://www.jma.ma)  
[jma@jma.ma](mailto:jma@jma.ma)

**JMA MEXICO**

LLAVES ALTUNA DE MEXICO S.A de C.V  
Tel +52 33 3777 1600  
Av. Aviación No. 5520  
Col. San Juan de Ocotán  
C.P. 45019 Zapopan, Jalisco  
[www.jma.com.mx](http://www.jma.com.mx)  
[ventas@jma.com.mx](mailto:ventas@jma.com.mx)

**JMA PERU**

JMA PERU S.A.C.  
Tel +51 639 9300  
Av. Los Paracas 130,  
Urbanización Salamanca,  
Distrito Ate, Lima  
[www.jma-peru.com](http://www.jma-peru.com)  
[info@jma-peru.com](mailto:info@jma-peru.com)

**JMA COLOMBIA**

IFAM - JMA Colombia, S.A.S.  
tel +57 1 53333246  
Fax +57 3203497446  
Diagonal 115A - 70B - 45 Local 1  
Bogotá  
[www.jmacolombia.com](http://www.jmacolombia.com)  
[info@jmacolombia.com](mailto:info@jmacolombia.com)

**JMA USA**

ALTUNA GROUP USA INC.  
Tel +1 817 385 0515  
1513 Greenview Drive  
75050 Grand Prairie  
Texas  
[www.jmausa.com](http://www.jmausa.com)  
[info@jmausa.com](mailto:info@jmausa.com)

Tel +34 943 79 30 00  
Fax +34 943 79 72 43  
Bidekurtzeta, 6 P.O.Box - Apdo. 70  
Arrasate - Mondragón 20500  
Gipuzkoa – SPAIN

Member of  
**Altuna Group**