



# PRODUCTS



MADE IN ITALY  
SINCE 1957

Products Productos

WEB: [www.far.bo.it](http://www.far.bo.it)

FASTENING SYSTEMS SISTEMAS DE FIJACION







**Blind rivets**  
*REMACHES*

4



**Tools and Equipments**  
*HERRAMIENTAS Y ACCESORIOS*

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>GB

Since 1957 FAR has been producing high technology fasteners with guaranteed maximum efficiency and performance in service and quality of product. Through an established domestic and international sales network, Far sets the standard for companies needing consistent reliability.

Far's policy is the constant improvement achieved by investment and professional on-going training of its staff. This is how Far can offer state-of-the-art, reliable fasteners and full technical and after-sales service.

FAR is not just a supplier, but a partner with its customers.

Our aim is customer satisfaction!

>E

Desde el año 1957, FAR realiza productos de elevada tecnología capaces de asegurar las máximas prestaciones en términos de calidad y servicio.

FAR, gracias a una red de venta capilar a nivel nacional e internacional, es un insustituible punto de referencia para todas las empresas cuya producción o comercio precisan una elevada fiabilidad en los resultados.

La continua investigación para mejorar sus estructuras con grandes inversiones y el continuo desarrollo profesional de todo el personal garantiza un producto de vanguardia, fiable y una asistencia segura, siempre presente, antes y después de la venta.

FAR no quiere ser un simple proveedor sino un colaborador atento a todas las exigencias de sus clientes.

Nuestro objetivo es... satisfacer el cliente!





## >GB GENERAL SALES CONDITIONS

**GENERAL DETAILS** - FAR s.r.l. shall supply merchandise and services in accordance with the general sales conditions specified herein below. These conditions cancel and substitute any other condition indicated on the Customer's order, except special agreements between the Parties. Orders are irrevocable, however FAR s.r.l. reserves the faculty, at its own unquestionable discretion, to refuse to process the order.

**SUPPLY** - Supply is intended as referring to what is specified in the order confirmation issued by FAR s.r.l., and any measurement, weight, illustration or drawing shall not be binding and may be modified, always providing that the merchandise, as regards as yield, results suitable for the foreseen purpose. Drawings, pictures and other technical material shall always remain the property of FAR s.r.l. and may not be reproduced or transferred to third parties without specific authorisation on the part of FAR s.r.l.

**PRICES** - Prices are understood as the supply of the merchandise ex the FAR s.r.l. warehouse, therefore not inclusive of transport, insurance, taxes and customs clearance fees, unless otherwise agreed and specified in the order confirmation. Prices are inclusive of standard packaging. In case of orders pursuant to a programme, sale prices shall be those specified in the order confirmation.

**PAYMENT** - Payments shall be made at the FAR s.r.l. premises at Quarto Inferiore - Granarolo Emilia (Bologna), on the basis of the terms stated in the order confirmation. In case of delay it will involve the debit of interest on arrears at the legal rate increased by 3 percentage points and calculated as from the 7th day after expiry date, as well as any additional expenses connected to receipt and collection of payment.

If the Customer does not respect the terms of the sale contract, FAR s.r.l. shall have the right to rescind the contract and to claim fair damages for the non-sale. FAR s.r.l. also has the faculty, at any moment before delivery the merchandise, to cancel the order or to request further guarantees to safeguard its credit, should it gain knowledge of the fact that the Customer is in an unfavourable financial situation.

**DELIVERY** - As far as possible according to availability, orders shall be processed completely, unless the Customer gives specific instructions to keep back any amount for later delivery.

The delivery term indicated in the order confirmation shall be assessed according to the provisioning and manufacturing programmes in force at the moment of the Customer's order.

**SHIPPING COSTS** - The merchandise must be understood as delivered ex the FAR s.r.l. warehouse.

**SHIPMENT** - Unless otherwise agreed, the merchandise shall be delivered by a forwarding agent chosen by FAR s.r.l., and the cost shall be debited on the invoice. Even in case of special agreement to supply the merchandise carriage free, the same shall be shipped under the responsibility and at the Customer own risk. On delivery of the merchandise, the data on the transport document must be checked as corresponding to the shipment received; in case of discrepancy, explicit reserve must be notified to the forwarding agent responsible for transportation. FAR s.r.l. shall accept no complaints received after five working days from delivery of the merchandise.

**RETURNS** - The decision to return merchandise must be agreed in advance and authorised by FAR s.r.l. Material returned for reasons that are not ascribable to FAR s.r.l. or for errors in the order placed shall be returned to the sender at his own expenses. Returns shall be accepted only carriage paid and accompanied by a regular transport document.

**RETURN OF DEFECTIVE PRODUCTS** - Products recognised as defective by FAR s.r.l. shall be replaced. FAR s.r.l. is bound by both the guarantee pursuant to law and that pursuant to contract, only to eliminate defects that are the result of the bad quality of the material used or construction flaws; products damaged by carelessness or improper use, products that have become defective due to normal wear, and products for which the purchaser has requested special modifications or with which the purchaser has tampered, or if the purchaser has tampered with parts of the same, shall not be replaced. If requested, the Customer must forward samples of defective material to FAR s.r.l., and the possible replacement, repair or scrapping of the products that are the subject of complaints shall be authorised exclusively by FAR s.r.l. itself.

**CATALOGUES** - The FAR s.r.l. catalogues are indicative; products may be modified, for any reason, without the Client being perforce given advance notice.

**FORCE MAJEURE** - Except in case of special agreement between the Parties, FAR s.r.l. shall not be held responsible for late deliveries, nor for losses suffered by the Customer due to such delays. The causes that could delay delivery, without limitation, are: strikes, suspended production, fire, lack of driving force, exceptional provisioning difficulties, modifications requested by the Customer during preparation of the merchandise, and all other causes of force majeure. Causes of force majeure are intended as also including delays on the part of Authorities in the granting of authorisations or the failure on the part of Authorities to grant authorisations.

**DISPUTES** - For everything not expressly envisaged, the provisions of law shall hold firm. Any dispute that may arise relative to the interpretation and execution of the contractual conditions specified herein shall fall under the exclusive jurisdiction of the Court of Bologna.

FAR s.r.l.

## >E CONDICIONES GENERALES DE VENTA

**GENERALIDAD** - FAR s.r.l. entregará mercancía y servicios con las siguientes condiciones generales de venta, que anulan y reemplazan cualquier eventual condición presentada en la orden de parte del cliente, y solo con la excepción de acuerdos particulares entre ambas partes. Las ordenes son irrevocables y FAR s.r.l. se reserva la autoridad, con facultad inquestionable, de no despacharlos.

**SUMINISTRO** - Por suministro se entiende lo que está indicado en la confirmación del pedido de FAR s.r.l. y cualquier medida, peso, ilustración o diseño no envuelven ningún empeño y pueden ser modificados, siempre y cuando, en el rendimiento, la mercancía resulta apta al objetivo previsto. Diseños, ilustraciones y cualquier otro material técnico, serán siempre de la propiedad de FAR s.r.l. y no pueden ser reproducidos, ni rendidos a tercero, si esto no es específicamente autorizado de parte de FAR s.r.l.

**PRECIOS** - Los precios son, y se entiende, por la mercancía entregada franco almacén de FAR s.r.l., excepto transporte, seguro, aranceles, con la excepción que sea estado estipulado diversamente en la confirmación del orden. En los precios está incluido el embalaje normal. Para eventuales ordenes, según programa, los precios de venta serán los mismos ya fijados en la confirmación del orden.

**PAGOS** - Los pagos serán efectuados al domicilio de FAR s.r.l. a Quarto Inferiore - Granarolo Emilia (Bologna), con las bases establecidas en la confirmación del orden. Si hubieran retrasos en los pagos en referencia a las fechas establecidas, estos retrasos podrán causar un adeudar de ciertos intereses de retraso, tipo legal, y aumentar de 3 puntos porcentuales a comenzar del 7° día después del plazo del pago, y también de eventuales gastos accesorios.

En cualquier momento que el cliente no respete los términos del contrato de venta, FAR s.r.l. tendrá el derecho de rescindir el contrato y pedir por daños, correspondientes a la pérdida de la venta. Y además, FAR s.r.l. se reserva la autoridad, en cualquier momento antes de la entrega, de anular el orden o de pedir ulterior garantía que ampara su crédito, en caso de que se llegue a saber que el cliente se encuentra en condiciones económicas difíciles.

**ENTREGA** - Los ordenes serán despachados limitadamente a lo que es la disponibilidad, en liquidación, excepto la específica indicación del cliente para mantener en nota cualquier resto.

El plazo de entrega indicado en la confirmación del orden es calculado según los programas de abastecimiento y fabricación en vigor al momento del orden del Cliente.

**DEVOLUCIÓN** - La devolución de la mercancía se hace siempre franco almacén de FAR s.r.l.

**TRANSPORTE** - Excepto diferentes acuerdos, el transporte será efectuado a través del transportador de confianza de FAR s.r.l.; aunque si la mercancía es entregada en franco de porte, la misma viaja con riesgo y peligro a cargo del cliente. A la entrega de la mercancía es necesario verificar que los datos indicados en el documento de transporte correspondan al pedido recibido: en caso de discordancia se debe hacer explícita condición al portador que ha efectuado el transporte. Pasados los cinco días desde la entrega de la mercancía, FAR s.r.l. no aceptará ningún reclamo.

**DEVOLUCIONES DE MATERIAL** - Cualquier devolución de mercancía, tendrá que ser previamente arreglada y autorizada por FAR s.r.l. Las devoluciones de material por razones no imputables a FAR s.r.l. o por errores de orden serán enviadas otra vez al remitente a cargo del mismo. La devolución será aceptada sólo si en franco de porte y acompañada por regular documento de transporte.

**DEVOLUCIÓN DE PRODUCTOS DEFECTUOSOS** - Los productos que FAR s.r.l. reconoce defectuosos serán sustituidos. La garantía, sea legal como de contrato, empeña a FAR s.r.l. exclusivamente a la eliminación de defectos que dependan de mala calidad del material empleado o de errores de construcción. No serán restituidos los productos dañados por negligencia o por uso impropio o por desgaste, que entra en la normalidad, ni productos por los cuales el comprador ha pedido específicas modificaciones o si éste haya dañado los mismos o parte de esos. Si es necesario se pedirá al cliente de enviar a FAR s.r.l., algunas muestras del material defectuoso y la eventual sustitución o reparación o desecho de los productos, objetos de reclamo, será autorizada exclusivamente de FAR s.r.l.

**CATÁLOGO** - Los catálogos de FAR s.r.l. son indicativos; eventuales modificaciones podrán ser efectuadas, por cualquier motivo, sin ninguna obligación de previo aviso al cliente.

**FUERZA MAYOR** - Excepto cuando específicamente están de acuerdo ambas partes, FAR s.r.l. no será responsable por retrasos de entrega o por pérdidas sufridas por el cliente a causa de estos retrasos. Las causas que podrían, sin límite, retardar la entrega son: huelgas, suspensión de la actividad de producción, incendios, falta de fuerza automotriz, dificultad excepcional de abastecimiento, modificaciones solicitadas por el cliente durante la fase de preparación de la mercancía, y todas las otras causas de fuerza mayor. Son consideradas también causas de fuerza mayor los retrasos de parte de las Autoridades en los trámites de autorización o la falta de concesión de dichas autorizaciones.

**CONTROVERSIAS** - Por cuanto no explícitamente observado más arriba en este documento, tienen validez las normas jurídicas. Cualquier controversia pueda emerger en la interpretación y ejecución de las presentes condiciones de contrato, será exclusivamente competente el Foro Judicial de Bologna.

FAR s.r.l.

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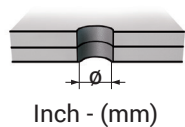
## >GB TECHNICAL RULES

In order to obtain the correct setting of the rivet, it is necessary to make a hole following the instructions of the table below. **We cannot accept any liability or return of the goods if the above condition is not observed. With regard to the rivet length, please follow the griprange tables shown on the following pages.** The value relating to the mechanical strength refers to the tensile strength. For calculating the safe load reduce this value of 1/3. All technical features of our standard rivets have been obtained by testing on metal. Any different material such as plastic, wood or composite materials, requires the proper rivet, e.g. "GRAF" (peel), "MULTIFAR" (multigrip).

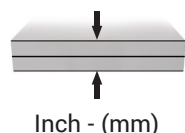
## >E NORMAS TECNICAS

*Para la perfecta utilización del remache, es necesario efectuar un agujero. Atenerse a las indicaciones de la tabla reportada en seguida. **No garantizamos y no autorizamos devolución de mercancía cuando no hay las condiciones sobre mencionadas. Con referencia al dimensionamiento del largo del remache respeten las tablas de los espesores de ajuste indicados de abajo.** Los valores relativos a las resistencias mecánicas se refieren a la carga de rotura; para obtener la carga de seguridad reducir de 1/3 el valor indicado. Todos los parámetros de fabricación de nuestros remaches "standard" se refieren a aplicaciones sobre materiales metálicos. El eventual empleo sobre materiales de otro tipo como por ejemplo materiales plásticos, madera, materiales compuestos, etc. debe ser realizado con remaches específicos como "GRAF", "MULTIFAR", etc.*

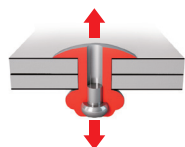
## SYMBOL LIST > LEYENDA



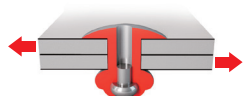
**HOLE DIAMETER**  
*Diámetro del orificio*



**MIN. AND MAX GRIPRANGE**  
*Espesores de ajuste mín. y máx.*



**TENSILE STRENGTH, lbf - (N) -**  
- Average value in ideal conditions  
- Resistance values may be subject to changes  
*Carga de rotura por tracción en lbf - (N)*  
- Valor medio en condiciones ideales  
- Los valores de resistencia pueden estar sujetos a cambios

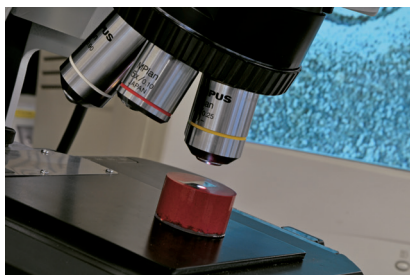


**SHEARING STRENGTH, lbf - (N)**  
- Average value in ideal conditions  
- Resistance values may be subject to changes  
*Carga de rotura por corte en lbf - (N)*  
- Valor medio en condiciones ideales  
- Los valores de resistencia pueden estar sujetos a cambios





## GENERAL NOTES > NOTAS GENERALES



>GB

For normative references of our products, please visit our website [www.far.bo.it](http://www.far.bo.it)

>E

Para las referencias de las normas de nuestros productos, visite nuestro sitio web [www.far.bo.it](http://www.far.bo.it)



>GB

Far srl reserves the faculty to modify technical characteristics of its own products. therefore we ask you to make reference to the data mentioned in our web site [www.far.bo.it](http://www.far.bo.it).

>E

La empresa FAR se reserva la posibilidad de aportar modificaciones a las características técnicas de los productos. Les rogamos por lo tanto remitirse a los datos mencionados en el sitio [www.far.bo.it](http://www.far.bo.it).

Far srl reserves the faculty to modify technical characteristics of its own products. Therefore we ask you to make reference to the data mentioned in our web site [www.far.bo.it](http://www.far.bo.it).

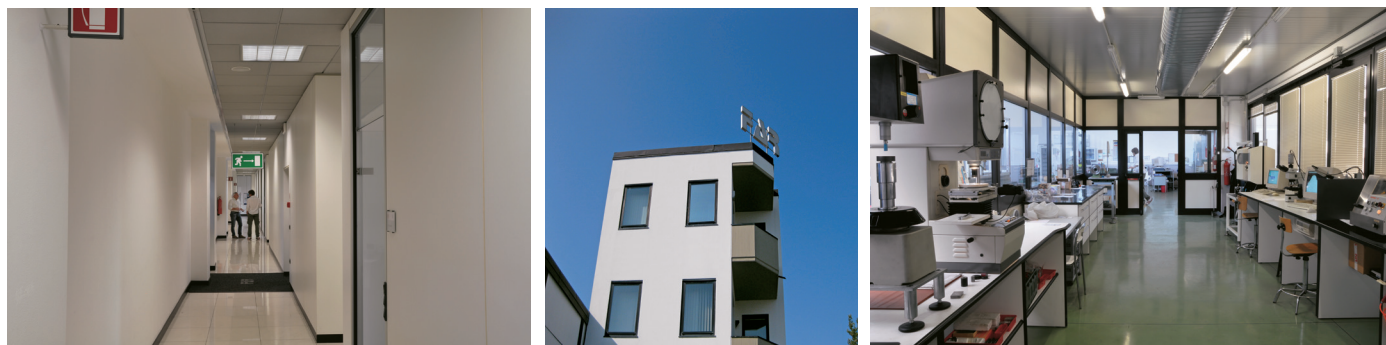
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## GENERAL NOTES > NOTAS GENERALES

### SPECIAL ITEMS MANUFACTURED ON REQUEST

#### > EJECUCIONES ESPECIALES SOBRE PEDIDO



**>GB** For special products / products on request, the quantities mentioned on the order confirmation can change of +/- 10%

**>E** Para los productos especiales / sobre pedido, las cantidades en la confirmación del pedido pueden variar de +/- 10%.



The application of PVC under the head of the rivet/nut provides the following benefits:

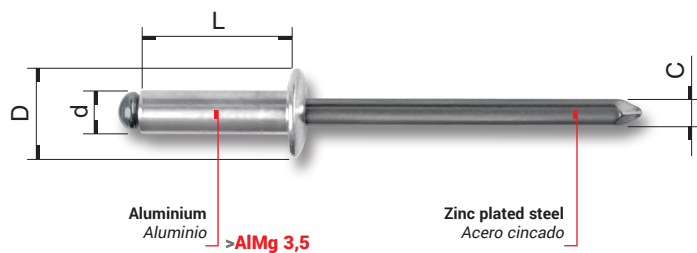
- Cushioning the contact between two metal surfaces
- Electrically insulate two surfaces in contact with each other (reducing electrical continuity)
- Reduces the penetration of fluids between the coupled parts
- Contact noise reduction between coupled parts
- Vibration reduction

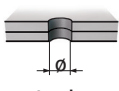
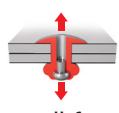
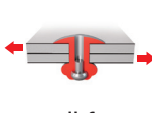


La aplicación de PVC bajo la cabeza del remache / tuerca permite conseguir las siguientes ventajas::

- Amortizar el contacto entre dos superficies metálicas.
- Aislar eléctricamente dos superficies en contacto entre ellos (a través de la reducción de la continuidad eléctrica)
- Reducir la penetración de fluidos entre las piezas ensambladas.
- Reducir el ruido de contacto entre piezas ensambladas
- Reducir las vibraciones

# ALUMINIUM RIVETS REMACHES DE ALUMINIO

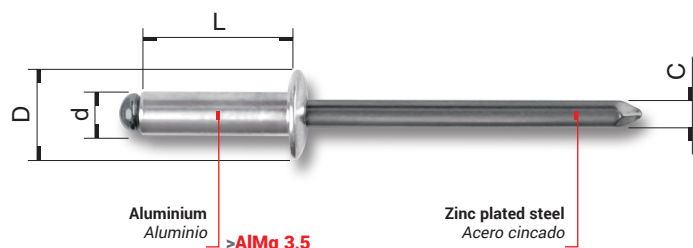


| d<br>Inch<br>(mm) | L    |    | D<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | <br>Inch<br>(mm) | min ÷ Max   |         | <br>lbf<br>(N) | <br>lbf<br>(N) |
|-------------------|------|----|-------------------|-------------------|----------------|---------------------------------------------------------------------------------------------------|-------------|---------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
|                   | Inch | mm |                   |                   |                |                                                                                                   | Inch        | mm      |                                                                                                   |                                                                                                   |
| 3/32"<br>(2.4)    | .236 | 6  |                   |                   | 501240603      |                                                                                                   | .039 ÷ .118 | 1 ÷ 3   |                                                                                                   |                                                                                                   |
|                   | .315 | 8  | .197              | .056              | 501240803      | .098                                                                                              | .118 ÷ .196 | 3 ÷ 5   | 146                                                                                               | 101                                                                                               |
|                   | .394 | 10 | (5)               | (1.43)            | 501241003      | (2.5)                                                                                             | .196 ÷ .276 | 5 ÷ 7   | (650 N)                                                                                           | (450 N)                                                                                           |
|                   | .472 | 12 |                   |                   | 501241203      |                                                                                                   | .276 ÷ .354 | 7 ÷ 9   |                                                                                                   |                                                                                                   |
| 1/8"<br>(3.2)     | .236 | 6  |                   |                   | 501320603      |                                                                                                   | .039 ÷ .118 | 1 ÷ 3   |                                                                                                   |                                                                                                   |
|                   | .315 | 8  |                   |                   | 501320803      |                                                                                                   | .118 ÷ .196 | 3 ÷ 5   |                                                                                                   |                                                                                                   |
|                   | .394 | 10 | .256              | .071              | 501321003      | .130                                                                                              | .196 ÷ .276 | 5 ÷ 7   | 281                                                                                               | 202                                                                                               |
|                   | .472 | 12 | (6.5)             | (1.80)            | 501321203      | (3.3)                                                                                             | .276 ÷ .354 | 7 ÷ 9   | (1250 N)                                                                                          | (900 N)                                                                                           |
|                   | .551 | 14 |                   |                   | 501321403      |                                                                                                   | .354 ÷ .433 | 9 ÷ 11  |                                                                                                   |                                                                                                   |
|                   | .630 | 16 |                   |                   | 501321603      |                                                                                                   | .433 ÷ .512 | 11 ÷ 13 |                                                                                                   |                                                                                                   |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

# ALUMINIUM RIVETS

REMACHES DE ALUMINIO



| d<br>Inch<br>(mm) | L<br>Inch<br>mm | D<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | Inch<br>(mm)  | min ÷ Max<br>Inch<br>mm | lbf<br>(N)  | lbf<br>(N)      |
|-------------------|-----------------|-------------------|-------------------|----------------|---------------|-------------------------|-------------|-----------------|
| 5/32"<br>(4)      | .236            | 6                 |                   | 501400603      | .161<br>(4.1) | .039 ÷ .098             | 1 ÷ 2.5     |                 |
|                   | .315            | 8                 |                   | 501400803      |               | .098 ÷ .177             | 2.5 ÷ 4.5   |                 |
|                   | .394            | 10                |                   | 501401003      |               | .177 ÷ .256             | 4.5 ÷ 6.5   |                 |
|                   | .472            | 12                |                   | 501401203      |               | .256 ÷ .335             | 6.5 ÷ 8.5   |                 |
|                   | .551            | 14                | .315<br>(8)       | 501401403      |               | .335 ÷ .413             | 8.5 ÷ 10.5  | 449<br>(2000 N) |
|                   | .630            | 16                | (2.20)            | 501401603      |               | .413 ÷ .492             | 10.5 ÷ 12.5 | 314<br>(1400 N) |
|                   | .709            | 18                |                   | 501401803      |               | .492 ÷ .571             | 12.5 ÷ 14.5 |                 |
|                   | .787            | 20                |                   | 501402003      |               | .571 ÷ .630             | 14.5 ÷ 16   |                 |
|                   | .984            | 25                |                   | 501402503      |               | .630 ÷ .827             | 16 ÷ 21     |                 |
|                   | 1.181           | 30                |                   | 501403003      |               | .827 ÷ 9.84             | 21 ÷ 25     |                 |
| 3/16"<br>(4.8)    | .236            | 6                 |                   | 501480603      | .197<br>(5)   | .039 ÷ .079             | 1 ÷ 2       |                 |
|                   | .315            | 8                 |                   | 501480803      |               | .079 ÷ .157             | 2 ÷ 4       |                 |
|                   | .394            | 10                |                   | 501481003      |               | .157 ÷ .236             | 4 ÷ 6       |                 |
|                   | .472            | 12                |                   | 501481203      |               | .236 ÷ .315             | 6 ÷ 8       |                 |
|                   | .551            | 14                |                   | 501481403      |               | .315 ÷ .394             | 8 ÷ 10      |                 |
|                   | .630            | 16                | .394<br>(10)      | 501481603      |               | .394 ÷ .472             | 10 ÷ 12     | 685<br>(3050 N) |
|                   | .709            | 18                | .102<br>(2.60)    | 501481803      |               | .472 ÷ .551             | 12 ÷ 14     | 483<br>(2150 N) |
|                   | .787            | 20                |                   | 501482003      |               | .551 ÷ .630             | 14 ÷ 16     |                 |
|                   | .984            | 25                |                   | 501482503      |               | .630 ÷ .827             | 16 ÷ 21     |                 |
|                   | 1.181           | 30                |                   | 501483003      |               | .827 ÷ .945             | 21 ÷ 24     |                 |
|                   | 1.378           | 35                |                   | 501483503      |               | .945 ÷ 1.142            | 24 ÷ 29     |                 |
|                   | 1.575           | 40                |                   | 501484003      |               | 1.142 ÷ 1.339           | 29 ÷ 34     |                 |
|                   | 1.969           | 50                |                   | 501485003      |               | 1.417 ÷ 1.653           | 36 ÷ 42     |                 |

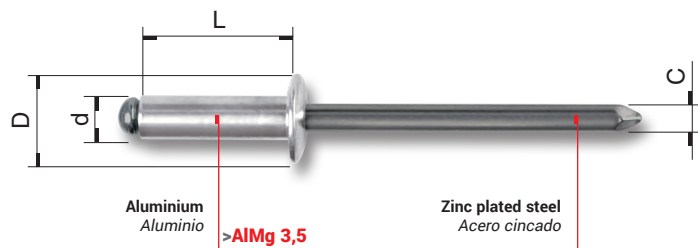
> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

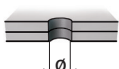
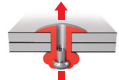
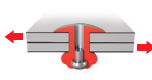
> The marked sizes are available only on request. Minimum quantity: 30.000 pcs.

> Las medidas evidenciadas se encuentran disponibles solo sobre pedido y para cantidades mínimas de 30.000 piezas.



# ALUMINIUM RIVETS REMACHES DE ALUMINIO



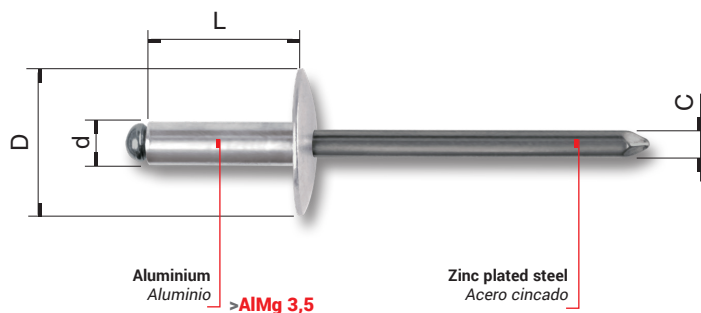
| d<br>Inch<br>(mm) | L     |    | D<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | <br>Inch<br>(mm) | min ÷ Max   |         | <br>lbf<br>(N) | <br>lbf<br>(N) |
|-------------------|-------|----|-------------------|-------------------|----------------|---------------------------------------------------------------------------------------------------|-------------|---------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
|                   | Inch  | mm |                   |                   |                |                                                                                                   | Inch        | mm      |                                                                                                   |                                                                                                   |
| 1/4"<br>(6.4)     | .394  | 10 | .472<br>(12)      | .138<br>(3.50)    | 501641003      | .256<br>(6.5)                                                                                     | .118 ÷ .197 | 3 ÷ 5   | 1123<br>(5000 N)                                                                                  | 708<br>(3150 N)                                                                                   |
|                   | .472  | 12 |                   |                   | 501641203      |                                                                                                   | .197 ÷ .276 | 5 ÷ 7   |                                                                                                   |                                                                                                   |
|                   | .591  | 15 |                   |                   | 501641503      |                                                                                                   | .276 ÷ .394 | 7 ÷ 10  |                                                                                                   |                                                                                                   |
|                   | .709  | 18 |                   |                   | 501641803      |                                                                                                   | .394 ÷ .512 | 10 ÷ 13 |                                                                                                   |                                                                                                   |
|                   | .866  | 22 |                   |                   | 501642203      |                                                                                                   | .512 ÷ .669 | 13 ÷ 17 |                                                                                                   |                                                                                                   |
|                   | 1.024 | 26 |                   |                   | 501642603      |                                                                                                   | .669 ÷ .827 | 17 ÷ 21 |                                                                                                   |                                                                                                   |
|                   | 1.181 | 30 |                   |                   | 501643003      |                                                                                                   | .827 ÷ .984 | 21 ÷ 25 |                                                                                                   |                                                                                                   |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

- > The marked sizes are available only on request. Minimum quantity: 30.000 pcs.
- > Las medidas evidenciadas se encuentran disponibles solo sobre pedido y para cantidades mínimas de 30.000 piezas.

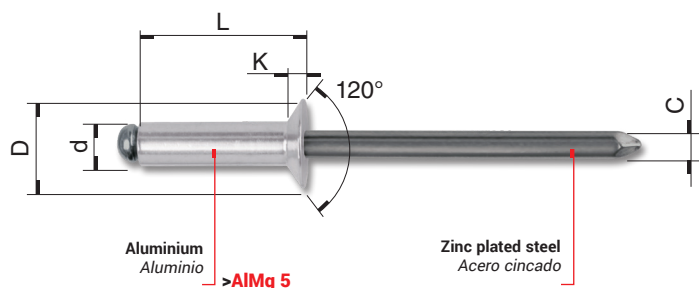
# ALUMINIUM RIVETS

REMACHES DE ALUMINIO



| d<br>Inch<br>(mm) | L<br>Inch<br>mm | D<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | Inch<br>(mm)  | min ÷ Max<br>Inch<br>mm    | lbf<br>(N)      | lbf<br>(N)      |
|-------------------|-----------------|-------------------|-------------------|----------------|---------------|----------------------------|-----------------|-----------------|
| 1/8"<br>(3.2)     | .315<br>8       | .394<br>(10)      | .071<br>(1.80)    | 503320803      | .130<br>(3.3) | .118 ÷ .197<br>3 ÷ 5       | 281<br>(1250 N) | 202<br>(900 N)  |
|                   | .394<br>10      |                   |                   | 503321003      |               | .197 ÷ .276<br>5 ÷ 7       |                 |                 |
|                   | .472<br>12      |                   |                   | 503321203      |               | .276 ÷ .354<br>7 ÷ 9       |                 |                 |
| 5/32"<br>(4)      | .354<br>9       | .394<br>(10)      | .087<br>(2.20)    | 503400903      | .161<br>(4.1) | .098 ÷ .217<br>2.5 ÷ 5.5   | 449<br>(2000 N) | 314<br>(1400 N) |
|                   | .433<br>11      |                   |                   | 503401103      |               | .217 ÷ .295<br>5.5 ÷ 7.5   |                 |                 |
| 5/32"<br>(4)      | .315<br>8       | .472<br>(12)      | .087<br>(2.20)    | 504400803      | .161<br>(4.1) | .098 ÷ .177<br>2.5 ÷ 4.5   | 449<br>(2000 N) | 314<br>(1400 N) |
|                   | .394<br>10      |                   |                   | 504401003      |               | .177 ÷ .256<br>4.5 ÷ 6.5   |                 |                 |
|                   | .472<br>12      |                   |                   | 504401203      |               | .256 ÷ .335<br>6.5 ÷ 8.5   |                 |                 |
|                   | .551<br>14      |                   |                   | 504401403      |               | .335 ÷ .413<br>8.5 ÷ 10.5  |                 |                 |
|                   | .630<br>16      |                   |                   | 504401603      |               | .413 ÷ .492<br>10.5 ÷ 12.5 |                 |                 |
|                   | .787<br>20      |                   |                   | 504402003      |               | .571 ÷ .630<br>14.5 ÷ 16   |                 |                 |
| 3/16"<br>(4.8)    | .394<br>10      | .551<br>(14)      | .102<br>(2.60)    | 503481003      | .197<br>(5)   | .118 ÷ .236<br>3 ÷ 6       | 685<br>(3050 N) | 483<br>(2150 N) |
|                   | .472<br>12      |                   |                   | 503481203      |               | .236 ÷ .315<br>6 ÷ 8       |                 |                 |
|                   | .551<br>14      |                   |                   | 503481403      |               | .315 ÷ .394<br>8 ÷ 10      |                 |                 |
|                   | .630<br>16      |                   |                   | 503481603      |               | .394 ÷ .472<br>10 ÷ 12     |                 |                 |
|                   | .709<br>18      |                   |                   | 503481803      |               | .472 ÷ .551<br>12 ÷ 14     |                 |                 |
|                   | .787<br>20      |                   |                   | 503482003      |               | .551 ÷ .630<br>14 ÷ 16     |                 |                 |
|                   | .984<br>25      |                   |                   | 503482503      |               | .630 ÷ .827<br>16 ÷ 21     |                 |                 |
|                   | 1.181<br>30     |                   |                   | 503483003      |               | .827 ÷ .945<br>21 ÷ 24     |                 |                 |
| 3/16"<br>(4.8)    | .394<br>10      | .630<br>(16)      | .102<br>(2.60)    | 504481003      | .197<br>(5)   | .157 ÷ .236<br>4 ÷ 6       | 685<br>(3050 N) | 483<br>(2150 N) |
|                   | .472<br>12      |                   |                   | 504481203      |               | .236 ÷ .315<br>6 ÷ 8       |                 |                 |
|                   | .551<br>14      |                   |                   | 504481403      |               | .315 ÷ .394<br>8 ÷ 10      |                 |                 |
|                   | .630<br>16      |                   |                   | 504481603      |               | .394 ÷ .472<br>10 ÷ 12     |                 |                 |
|                   | .709<br>18      |                   |                   | 504481803      |               | .472 ÷ .551<br>12 ÷ 14     |                 |                 |
|                   | .787<br>20      |                   |                   | 504482003      |               | .551 ÷ .630<br>14 ÷ 16     |                 |                 |
|                   | .984<br>25      |                   |                   | 504482503      |               | .630 ÷ .827<br>16 ÷ 21     |                 |                 |
|                   | 1.181<br>30     |                   |                   | 504483003      |               | .827 ÷ .945<br>21 ÷ 24     |                 |                 |
|                   | 1.378<br>35     |                   |                   | 504483503      |               | .945 ÷ 1.142<br>24 ÷ 29    |                 |                 |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios



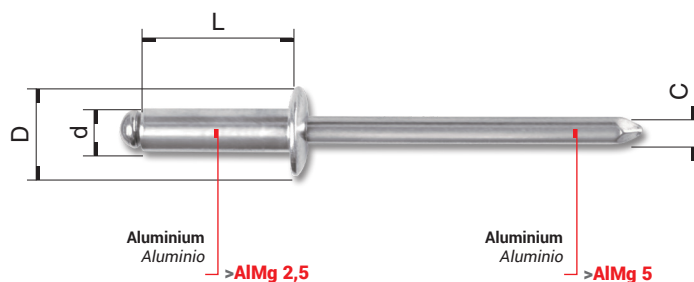
# ALUMINIUM RIVETS COUNTERSUNK HEAD REMACHES DE ALUMINIO, CABEZA AVELLANADA

| d<br>Inch<br>(mm) | L<br>Inch<br>mm | D<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | Inch<br>(mm)  | min ÷ Max<br>Inch<br>mm    | lbf<br>(N)      | lbf<br>(N)      |
|-------------------|-----------------|-------------------|-------------------|----------------|---------------|----------------------------|-----------------|-----------------|
| 1/8"<br>(3.2)     | .315<br>8       | .256<br>(6.5)     | .039<br>(1)       | 505320803      | .130<br>(3.3) | .079 ÷ .197<br>2 ÷ 5       | 281<br>(1250 N) | 202<br>(900 N)  |
|                   | .394<br>10      |                   |                   | 505321003      |               | .197 ÷ .276<br>5 ÷ 7       |                 |                 |
|                   | .472<br>12      |                   |                   | 505321203      |               | .276 ÷ .354<br>7 ÷ 9       |                 |                 |
| 5/32"<br>(4)      | .315<br>8       | .315<br>(8)       | .051<br>(1.30)    | 505400803      | .161<br>(4.1) | .098 ÷ .177<br>2.5 ÷ 4.5   | 449<br>(2000 N) | 314<br>(1400 N) |
|                   | .394<br>10      |                   |                   | 505401003      |               | .177 ÷ .256<br>4.5 ÷ 6.5   |                 |                 |
|                   | .472<br>12      |                   |                   | 505401203      |               | .256 ÷ .335<br>6.5 ÷ 8.5   |                 |                 |
|                   | .551<br>14      |                   |                   | 505401403      |               | .335 ÷ .413<br>8.5 ÷ 10.5  |                 |                 |
|                   | .630<br>16      |                   |                   | 505401603      |               | .413 ÷ .492<br>10.5 ÷ 12.5 |                 |                 |
| 3/16"<br>(4.8)    | .315<br>8       | .394<br>(10)      | .071<br>(1.80)    | 505480803      | .197<br>(5)   | .118 ÷ .157<br>3 ÷ 4       | 685<br>(3050 N) | 483<br>(2150 N) |
|                   | .394<br>10      |                   |                   | 505481003      |               | .157 ÷ .236<br>4 ÷ 6       |                 |                 |
|                   | .472<br>12      |                   |                   | 505481203      |               | .236 ÷ .315<br>6 ÷ 8       |                 |                 |
|                   | .551<br>14      |                   |                   | 505481403      |               | .315 ÷ .394<br>8 ÷ 10      |                 |                 |
|                   | .630<br>16      |                   |                   | 505481603      |               | .394 ÷ .472<br>10 ÷ 12     |                 |                 |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

# ALUMINIUM RIVETS - ALUMINIUM NAIL

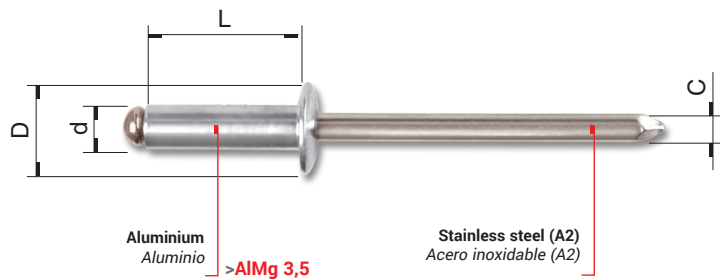
REMACHES DE ALUMINIO - CLAVO EN ALUMINIO



| d<br>Inch<br>(mm) | L<br>Inch<br>mm | D<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | Inch<br>(mm)  | min ÷ Max<br>Inch<br>mm   | lb<br>(N)        | lb<br>(N)       |
|-------------------|-----------------|-------------------|-------------------|----------------|---------------|---------------------------|------------------|-----------------|
| 1/8"<br>(3.2)     | .236<br>6       | .256<br>(6.5)     | .083<br>(2.10)    | 507320603      | .130<br>(3.3) | .039 ÷ .118<br>1 ÷ 3      | 191<br>(850 N)   | 135<br>(600 N)  |
|                   | .315<br>8       |                   |                   | 507320803      |               | .118 ÷ .197<br>3 ÷ 5      |                  |                 |
|                   | .394<br>10      |                   |                   | 507321003      |               | .197 ÷ .276<br>5 ÷ 7      |                  |                 |
|                   | .472<br>12      |                   |                   | 507321203      |               | .276 ÷ .354<br>7 ÷ 9      |                  |                 |
| 5/32"<br>(4)      | .315<br>8       | .315<br>(8)       | .102<br>(2.60)    | 507400803      | .161<br>(4.1) | .039 ÷ .177<br>1 ÷ 4.5    | 270<br>(1200 N)  | 191<br>(850 N)  |
|                   | .394<br>10      |                   |                   | 507401003      |               | .177 ÷ .256<br>4.5 ÷ 6.5  |                  |                 |
|                   | .472<br>12      |                   |                   | 507401203      |               | .256 ÷ .335<br>6.5 ÷ 8.5  |                  |                 |
|                   | .551<br>14      |                   |                   | 507401403      |               | .335 ÷ .413<br>8.5 ÷ 10.5 |                  |                 |
| 3/16"<br>(4.8)    | .394<br>10      | .394<br>(10)      | .118<br>(3)       | 507481003      | .197<br>(5)   | .118 ÷ .236<br>3 ÷ 6      | 4490<br>(2000 N) | 314<br>(1400 N) |
|                   | .472<br>12      |                   |                   | 507481203      |               | .236 ÷ .315<br>6 ÷ 8      |                  |                 |
|                   | .551<br>14      |                   |                   | 507481403      |               | .315 ÷ .394<br>8 ÷ 10     |                  |                 |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios





# ALUMINIUM RIVETS - STAINLESS STEEL NAIL REMACHES DE ALUMINIO - CLAVO DE ACERO INOXIDABLE

| d<br>Inch<br>(mm) | L<br>Inch<br>mm | D<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | Inch<br>(mm)  | min ÷ Max<br>Inch<br>mm    | lbf<br>(N)      | lbf<br>(N)      |
|-------------------|-----------------|-------------------|-------------------|----------------|---------------|----------------------------|-----------------|-----------------|
| 1/8"<br>(3.2)     | .236<br>6       | .256<br>(6.5)     | .071<br>(1.80)    | 508320603      | .130<br>(3.3) | .039 ÷ .118<br>1 ÷ 3       | 281<br>(1250 N) | 202<br>(900 N)  |
|                   | .315<br>8       |                   |                   | 508320803      |               | .118 ÷ .197<br>3 ÷ 5       |                 |                 |
|                   | .394<br>10      |                   |                   | 508321003      |               | .197 ÷ .276<br>5 ÷ 7       |                 |                 |
|                   | .472<br>12      |                   |                   | 508321203      |               | .276 ÷ .354<br>7 ÷ 9       |                 |                 |
| 5/32"<br>(4)      | .236<br>6       | .315<br>(8)       | .087<br>(2.20)    | 508400603      | .161<br>(4.1) | .039 ÷ .098<br>1 ÷ 2.5     | 449<br>(2000 N) | 314<br>(1400 N) |
|                   | .315<br>8       |                   |                   | 508400803      |               | .098 ÷ .177<br>2.5 ÷ 4.5   |                 |                 |
|                   | .394<br>10      |                   |                   | 508401003      |               | .177 ÷ .256<br>4.5 ÷ 6.5   |                 |                 |
|                   | .472<br>12      |                   |                   | 508401203      |               | .256 ÷ .335<br>6.5 ÷ 8.5   |                 |                 |
|                   | .551<br>14      |                   |                   | 508401403      |               | .335 ÷ .413<br>8.5 ÷ 10.5  |                 |                 |
|                   | .630<br>16      |                   |                   | 508401603      |               | .413 ÷ .492<br>10.5 ÷ 12.5 |                 |                 |
|                   | .709<br>18      |                   |                   | 508401803      |               | .492 ÷ .571<br>12.5 ÷ 14.5 |                 |                 |
|                   | .787<br>20      |                   |                   | 508402003      |               | .571 ÷ .630<br>14.5 ÷ 16   |                 |                 |
| 3/16"<br>(4.8)    | .315<br>8       | .394<br>(10)      | .102<br>(2.60)    | 508480803      | .197<br>(5)   | .079 ÷ .157<br>2 ÷ 4       | 685<br>(3050 N) | 483<br>(2150 N) |
|                   | .394<br>10      |                   |                   | 508481003      |               | .157 ÷ .236<br>4 ÷ 6       |                 |                 |
|                   | .472<br>12      |                   |                   | 508481203      |               | .236 ÷ .315<br>6 ÷ 8       |                 |                 |
|                   | .551<br>14      |                   |                   | 508481403      |               | .315 ÷ .394<br>8 ÷ 10      |                 |                 |
|                   | .630<br>16      |                   |                   | 508481603      |               | .394 ÷ .472<br>10 ÷ 12     |                 |                 |
|                   | .709<br>18      |                   |                   | 508481803      |               | .472 ÷ .551<br>12 ÷ 14     |                 |                 |
|                   | .787<br>20      |                   |                   | 508482003      |               | .551 ÷ .630<br>14 ÷ 16     |                 |                 |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

> **ATTENTION:** Available only on request. Minimum quantity: 30,000 pcs.

> **ATENCIÓN:** Disponibles solo sobre pedido y para cantidades mínimas de 30.000 piezas.

> Large and countersunk head rivets with stainless steel nail are available on request.

> Remaches con cabeza ancha y avellanada - clavo de acero inoxidable - se encuentran disponibles sobre pedido.

# ANODIZED RIVETS

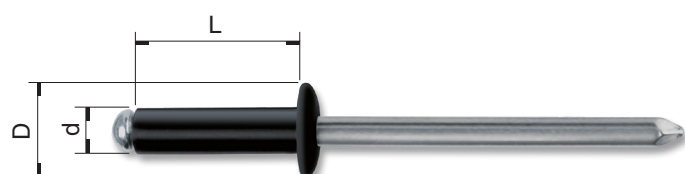
REMACHES ANODIZADOS

Black  
Negro



**>GB** On request, all aluminium blind rivets - except sealed ones - can be anodised in black color.  
Minimum quantity: 30,000 pcs.

**>E** Todos los remaches de aleación de aluminio, excepto los remaches estancos, se pueden anodizar en negro bajo solicitud.  
Cantidad mínima: 30.000 piezas.



## Black / Negro

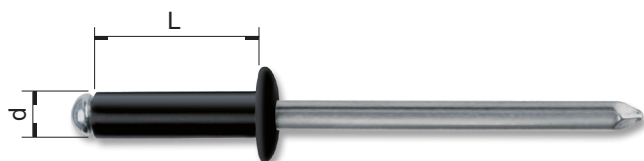
| d<br>Inch<br>(mm) | L<br>Inch<br>mm | D<br>Inch<br>(mm) | Code<br>Código |
|-------------------|-----------------|-------------------|----------------|
| 5/32"<br>(4)      | .394<br>10      | .315<br>(8)       | 501401053      |
|                   | .472<br>12      |                   | 501401253      |
|                   | .630<br>16      |                   | 501401653      |
| 5/32"<br>(4)      | .315<br>8       | .472<br>(12)      | 504401453      |
|                   | .551<br>14      |                   | 504401453      |
| 3/16"<br>(4.8)    | .472<br>12      | .394<br>(10)      | 501481253      |
|                   | .630<br>16      |                   | 501481653      |
|                   | .787<br>20      |                   | 501482053      |
|                   | .984<br>25      |                   | 501482553      |
| 3/16"<br>(4.8)    | .394<br>10      | .630<br>(16)      | 504481053      |
|                   | .472<br>12      |                   | 504481253      |
|                   | .551<br>14      |                   | 504481453      |
|                   | .630<br>16      |                   | 504481653      |



Sizes available from stock.  
Medidas disponibles en estoc.

## Painted aluminium rivets Remaches en aluminio lacados

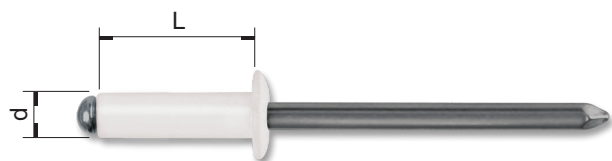
### Ral 9005 Black / Negro



Sizes and types available from stock.  
Medidas y tipos disponibles en stock.

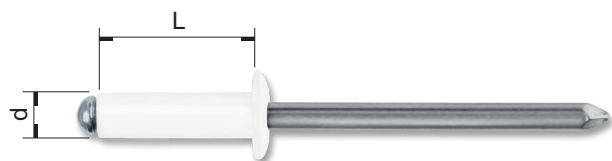
| d<br>Inch<br>(mm) | L    |    | Code<br>Código |
|-------------------|------|----|----------------|
|                   | Inch | mm |                |
| 1/8"<br>(3.2)     | .315 | 8  | 501320843      |
|                   | .394 | 10 | 501321043      |
|                   | .472 | 12 | 501321243      |
| 5/32"<br>(4)      | .315 | 8  | 501400843      |
|                   | .394 | 10 | 501401043      |
|                   | .472 | 12 | 501401243      |
|                   | .551 | 14 | 501401443      |
| 3/16"<br>(4.8)    | .315 | 8  | 501480843      |
|                   | .394 | 10 | 501481043      |
|                   | .472 | 12 | 501481243      |
|                   | .551 | 14 | 501481443      |
|                   | .630 | 16 | 501481643      |

### Ral 9016 White / Blanco



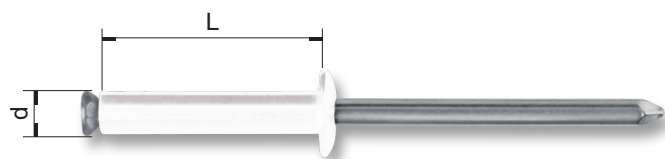
| d<br>Inch<br>(mm) | L    |    | Code<br>Código |
|-------------------|------|----|----------------|
|                   | Inch | mm |                |
| 3/16"<br>(4.8)    | .551 | 14 | 5014814R90163  |

### Ral 9010 White / Blanco



| d<br>Inch<br>(mm) | L    |    | Code<br>Código |
|-------------------|------|----|----------------|
|                   | Inch | mm |                |
| 1/8"<br>(3.2)     | .315 | 8  | 501320833      |
|                   | .394 | 10 | 501321033      |
| 5/32"<br>(4)      | .315 | 8  | 501400833      |
|                   | .394 | 10 | 501401033      |
|                   | .472 | 12 | 501401233      |
|                   | .551 | 14 | 501401433      |
| 3/16"<br>(4.8)    | .394 | 10 | 501481033      |
|                   | .472 | 12 | 501481233      |
|                   | .551 | 14 | 501481433      |

### "GRAF" (peel) rivets / Remaches "GRAF"



| d<br>Inch<br>(mm) | L    |    | Code<br>Código |
|-------------------|------|----|----------------|
|                   | Inch | mm |                |
| 3/16"<br>(4.8)    | .472 | 12 | 551481233      |

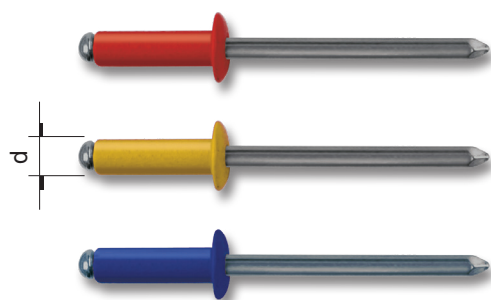


#### > ON REQUEST:

We can supply aluminium, steel, stainless steel and copper rivets painted according to the "RAL" table colours, except for FARBOLT. For your orders, please, follow the table here below. (Minimum quantity: 20.000 pcs)

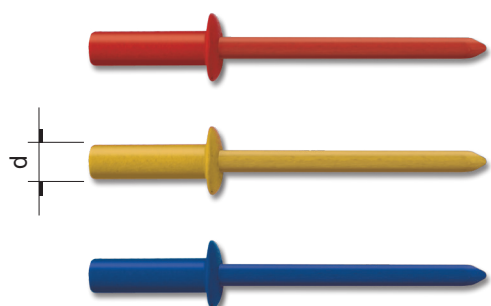
#### > SOBRE PEDIDO:

Todos los remaches de aluminio, acero, cobre y acero inoxidable pueden ser lacados en los colores previstos por la tabla "RAL" (excepto FARBOLT). Para pedidos atenerse a la tabla mencionada en seguida. (cantidad mínima: 20.000 piezas)



#### Standard rivets / Remaches estandard

| d             |           |
|---------------|-----------|
| Inch          | mm        |
| 3/32"         | 2.4       |
| 5/32" ÷ 3/16" | 4.0 ÷ 4.8 |
| 1/4"          | 6.4       |



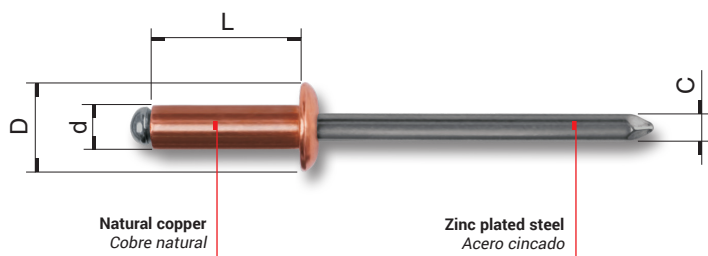
#### Sealed rivets / Remaches estancos

| d     |     |
|-------|-----|
| Inch  | mm  |
| 1/8"  | 3.2 |
| 5/32" | 4   |
| 3/16" | 4.8 |



> In the sealed rivets, bodies and nails are painted

> En los remaches estancos cuerpo y clavos estan lacados



# NATURAL COPPER RIVETS REMACHES DE COBRE NATURAL

| d<br>Inch<br>(mm) | L<br>Inch<br>mm | D<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | Inch<br>(mm)  | min ÷ Max<br>Inch<br>mm    | lbf<br>(N)      | lbf<br>(N)      |
|-------------------|-----------------|-------------------|-------------------|----------------|---------------|----------------------------|-----------------|-----------------|
| 1/8"<br>(3.2)     | .276<br>7       | .256<br>(6.5)     | .079<br>(2)       | 531320703      | .130<br>(3.3) | .039 ÷ .157<br>1 ÷ 4       | 270<br>(1200 N) | 202<br>(900 N)  |
|                   | .354<br>9       |                   |                   | 531320903      |               | .157 ÷ .236<br>4 ÷ 6       |                 |                 |
|                   | .433<br>11      |                   |                   | 531321103      |               | .236 ÷ .315<br>6 ÷ 8       |                 |                 |
| 5/32"<br>(4)      | .276<br>7       | .315<br>(8)       | .087<br>(2.20)    | 531400703      | .161<br>(4.1) | .098 ÷ .138<br>2.5 ÷ 3.5   | 494<br>(2200 N) | 371<br>(1650 N) |
|                   | .354<br>9       |                   |                   | 531400903      |               | .138 ÷ .217<br>3.5 ÷ 5.5   |                 |                 |
|                   | .433<br>11      |                   |                   | 531401103      |               | .217 ÷ .295<br>5.5 ÷ 7.5   |                 |                 |
|                   | .472<br>12      |                   |                   | 531401203      |               | .295 ÷ .335<br>7.5 ÷ 8.5   |                 |                 |
|                   | .551<br>14      |                   |                   | 531401403      |               | .335 ÷ .413<br>8.5 ÷ 10.5  |                 |                 |
| 3/16"<br>(4.8)    | .630<br>16      |                   |                   | 531401603      |               | .413 ÷ .492<br>10.5 ÷ 12.5 |                 |                 |
|                   | .394<br>10      | .354<br>(9)       | .114<br>(2.90)    | 531481003      | .197<br>(5)   | .079 ÷ .236<br>2 ÷ 6       | 629<br>(2800 N) | 472<br>(2100 N) |
|                   | .472<br>12      |                   |                   | 531481203      |               | .236 ÷ .315<br>6 ÷ 8       |                 |                 |
|                   | .551<br>14      |                   |                   | 531481403      |               | .315 ÷ .394<br>8 ÷ 10      |                 |                 |
|                   | .630<br>16      |                   |                   | 531481603      |               | .394 ÷ .472<br>10 ÷ 12     |                 |                 |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios



# NATURAL COPPER RIVETS

REMACHES DE COBRE NATURAL

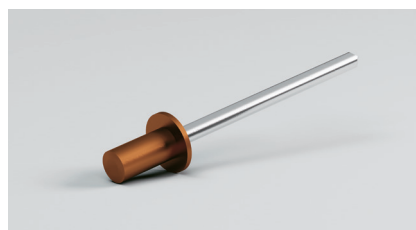
> SPECIAL ITEMS MANUFACTURED ON REQUEST

> EJECUCIONES ESPECIALES SOBRE PEDIDO



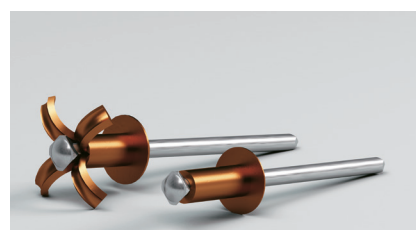
# MULTISTAGE - MULTIFAR RIVETS

NITY SPECJALNE - MULTIFAR



# SEALED RIVETS

REMACHES ESTANCOS



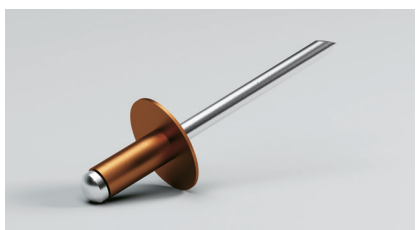
# "GRAF" (PEEL) RIVETS

REMACHES "GRAF"



# "ALV-IN" RIVETS

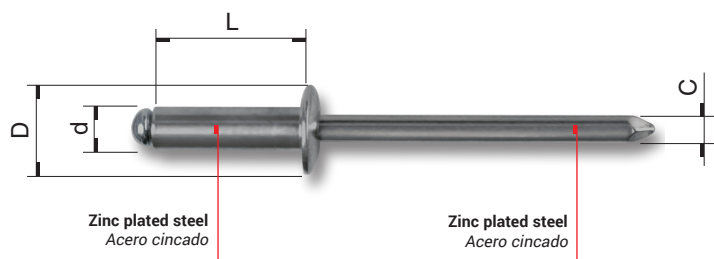
REMACHES "ALV-IN"



# RIVETS LARGE HEAD

REMACHES CABEZA ANCHA

N



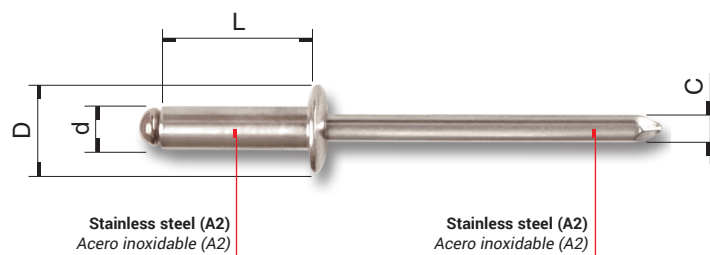
# ZINC PLATED STEEL RIVETS REMACHES DE ACERO CINCO

| d<br>Inch<br>(mm) | L<br>Inch<br>mm | D<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | Inch<br>(mm)  | min ÷ Max<br>Inch<br>mm    | lbf<br>(N)       | lbf<br>(N)       |
|-------------------|-----------------|-------------------|-------------------|----------------|---------------|----------------------------|------------------|------------------|
| 1/8"<br>(3.2)     | .236<br>6       | .256<br>(6.5)     | .078<br>(2)       | 521320603      | .130<br>(3.3) | .039 ÷ .118<br>1 ÷ 3       | 393<br>(1750 N)  | 314<br>(1400 N)  |
|                   | .315<br>8       |                   |                   | 521320803      |               | .118 ÷ .197<br>3 ÷ 5       |                  |                  |
|                   | .394<br>10      |                   |                   | 521321003      |               | .197 ÷ .276<br>5 ÷ 7       |                  |                  |
|                   | .472<br>12      |                   |                   | 521321203      |               | .276 ÷ .354<br>7 ÷ 9       |                  |                  |
| 5/32"<br>(4)      | .236<br>6       | .315<br>(8)       | .089<br>(2.25)    | 521400603      | .161<br>(4.1) | .039 ÷ .079<br>1 ÷ 2       | 719<br>(3200 N)  | 528<br>(2350 N)  |
|                   | .315<br>8       |                   |                   | 521400803      |               | .079 ÷ .157<br>2 ÷ 4       |                  |                  |
|                   | .394<br>10      |                   |                   | 521401003      |               | .157 ÷ .236<br>4 ÷ 6       |                  |                  |
|                   | .472<br>12      |                   |                   | 521401203      |               | .236 ÷ .315<br>6 ÷ 8       |                  |                  |
|                   | .551<br>14      |                   |                   | 521401403      |               | .315 ÷ .394<br>8 ÷ 10      |                  |                  |
|                   | .630<br>16      |                   |                   | 521401603      |               | .394 ÷ .472<br>10 ÷ 12     |                  |                  |
| 3/16"<br>(4.8)    | .787<br>20      | .354<br>(9)       | .114<br>(2.90)    | 521402003      | .197<br>(5)   | .551 ÷ .630<br>14 ÷ 16     | 876<br>(3900 N)  | 696<br>(3100 N)  |
|                   | .315<br>8       |                   |                   | 521480803      |               | .079 ÷ .157<br>2 ÷ 4       |                  |                  |
|                   | .394<br>10      |                   |                   | 521481003      |               | .157 ÷ .236<br>4 ÷ 6       |                  |                  |
|                   | .472<br>12      |                   |                   | 521481203      |               | .236 ÷ .315<br>6 ÷ 8       |                  |                  |
|                   | .551<br>14      |                   |                   | 521481403      |               | .315 ÷ .394<br>8 ÷ 10      |                  |                  |
|                   | .630<br>16      |                   |                   | 521481603      |               | .394 ÷ .472<br>10 ÷ 12     |                  |                  |
|                   | .709<br>18      |                   |                   | 521481803      |               | .472 ÷ .551<br>12 ÷ 14     |                  |                  |
|                   | .787<br>20      |                   |                   | 521482003      |               | .551 ÷ .630<br>14 ÷ 16     |                  |                  |
|                   | .984<br>25      |                   |                   | 521482503      |               | .630 ÷ .787<br>16 ÷ 20     |                  |                  |
| 1/4"<br>(6.4)     | 1.181<br>30     | .472<br>(12)      | .150<br>(3.80)    | 521483003      | .256<br>(6.5) | .787 ÷ .945<br>20 ÷ 24     | 1516<br>(6750 N) | 1123<br>(5000 N) |
|                   | .472<br>12      |                   |                   | 521641203      |               | .157 ÷ .276<br>4 ÷ 7       |                  |                  |
|                   | .591<br>15      |                   |                   | 521641503      |               | .276 ÷ .394<br>7 ÷ 10      |                  |                  |
|                   | .709<br>18      |                   |                   | 521641803      |               | .394 ÷ .492<br>10 ÷ 12.5   |                  |                  |
|                   | .866<br>22      |                   |                   | 521642203      |               | .492 ÷ .650<br>12.5 ÷ 16.5 |                  |                  |
|                   | 1.024<br>26     |                   |                   | 521642603      |               | .650 ÷ .807<br>16.5 ÷ 20.5 |                  |                  |
|                   | 1.181<br>30     |                   |                   | 521643003      |               | .807 ÷ .965<br>20.5 ÷ 24.5 |                  |                  |
|                   |                 |                   |                   |                |               |                            |                  |                  |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

# STAINLESS STEEL (A2) RIVETS

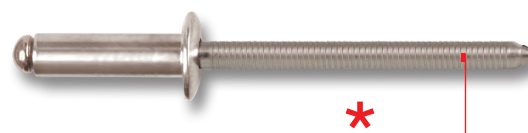
REMACHES DE ACERO INOXIDABLE (A2)

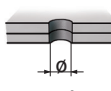
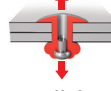


## ★ Blind rivets with grooved nail

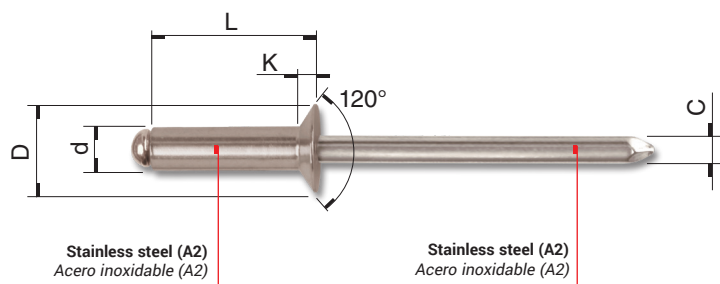
Remaches ciegos con vástago ranurado

- In case the stainless steel rivet Ø 6,4 is used with our tool **RAC171** the clamp has to be our ref. **713213**.
- En caso de que el remache Ø 6,4 inoxidable sea utilizado con nuestra remachadora **RAC171** tenemos que utilizar el borme, nuestra referencia **713213**, en dotación.



| d<br>Inch<br>(mm)  | L<br>Inch<br>mm | D<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | <br>Inch<br>(mm) | min ÷ Max<br>Inch<br>mm    | <br>lbf<br>(N) | <br>lbf<br>(N) |
|--------------------|-----------------|-------------------|-------------------|----------------|---------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 1/8"<br>(3.2)      | .236<br>6       | .256<br>(6.5)     | .079<br>(2)       | 522320603      | .130<br>(3.3)                                                                                     | .039 ÷ .098<br>1 ÷ 2.5     | 606<br>(2700 N)                                                                                   | 528<br>(2350 N)                                                                                   |
|                    | .315<br>8       |                   |                   | 522320803      |                                                                                                   | .098 ÷ .177<br>2.5 ÷ 4.5   |                                                                                                   |                                                                                                   |
|                    | .394<br>10      |                   |                   | 522321003      |                                                                                                   | .177 ÷ .256<br>4.5 ÷ 6.5   |                                                                                                   |                                                                                                   |
|                    | .472<br>12      |                   |                   | 522321203      |                                                                                                   | .256 ÷ .335<br>6.5 ÷ 8.5   |                                                                                                   |                                                                                                   |
| 5/32"<br>(4)       | .236<br>6       | .315<br>(8)       | .094<br>(2.40)    | 522400603      | .161<br>(4.1)                                                                                     | .039 ÷ .079<br>1 ÷ 2       | 921<br>(4100 N)                                                                                   | 764<br>(3400 N)                                                                                   |
|                    | .315<br>8       |                   |                   | 522400803      |                                                                                                   | .079 ÷ .157<br>2 ÷ 4       |                                                                                                   |                                                                                                   |
|                    | .394<br>10      |                   |                   | 522401003      |                                                                                                   | .157 ÷ .236<br>4 ÷ 6       |                                                                                                   |                                                                                                   |
|                    | .472<br>12      |                   |                   | 522401203      |                                                                                                   | .236 ÷ .315<br>6 ÷ 8       |                                                                                                   |                                                                                                   |
|                    | .551<br>14      |                   |                   | 522401403      |                                                                                                   | .315 ÷ .394<br>8 ÷ 10      |                                                                                                   |                                                                                                   |
|                    | .630<br>16      |                   |                   | 522401603      |                                                                                                   | .394 ÷ .472<br>10 ÷ 12     |                                                                                                   |                                                                                                   |
| 3/16"<br>(4.8)     | .315<br>8       | .354<br>(9)       | .118<br>(3)       | 522480803      | .197<br>(5)                                                                                       | .059 ÷ .138<br>1.5 ÷ 3.5   | 1348<br>(6000 N)                                                                                  | 1168<br>(5200 N)                                                                                  |
|                    | .394<br>10      |                   |                   | 522481003      |                                                                                                   | .138 ÷ .217<br>3.5 ÷ 5.5   |                                                                                                   |                                                                                                   |
|                    | .472<br>12      |                   |                   | 522481203      |                                                                                                   | .217 ÷ .295<br>5.5 ÷ 7.5   |                                                                                                   |                                                                                                   |
|                    | .551<br>14      |                   |                   | 522481403      |                                                                                                   | .295 ÷ .374<br>7.5 ÷ 9.5   |                                                                                                   |                                                                                                   |
|                    | .630<br>16      |                   |                   | 522481603      |                                                                                                   | .374 ÷ .453<br>9.5 ÷ 11.5  |                                                                                                   |                                                                                                   |
|                    | .709<br>18      |                   |                   | 522481803      |                                                                                                   | .453 ÷ .531<br>11.5 ÷ 13.5 |                                                                                                   |                                                                                                   |
|                    | .787<br>20      |                   |                   | 522482003      |                                                                                                   | .531 ÷ .610<br>13.5 ÷ 15.5 |                                                                                                   |                                                                                                   |
|                    | .984<br>25      |                   |                   | 522482503      |                                                                                                   | .610 ÷ .787<br>15.5 ÷ 20   |                                                                                                   |                                                                                                   |
|                    | 1.181<br>30     |                   |                   | 522483003      |                                                                                                   | .787 ÷ .945<br>20 ÷ 24     |                                                                                                   |                                                                                                   |
| 1/4"<br>(6.4)<br>★ | .472<br>12      | .472<br>(12)      | .156<br>(3.95)    | 522641203      | .256<br>(6.5)                                                                                     | .157 ÷ .276<br>4 ÷ 7       | 1977<br>(8800 N)                                                                                  | 1572<br>(7000 N)                                                                                  |
|                    | .591<br>15      |                   |                   | 522641503      |                                                                                                   | .276 ÷ .394<br>7 ÷ 10      |                                                                                                   |                                                                                                   |
|                    | .709<br>18      |                   |                   | 522641803      |                                                                                                   | .394 ÷ .512<br>10 ÷ 13     |                                                                                                   |                                                                                                   |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios



**STAINLESS STEEL (A2) RIVETS COUNTERSUNK HEAD**  
**REMACHES DE ACERO INOXIDABLE (A2), CABEZA AVELLANADA**

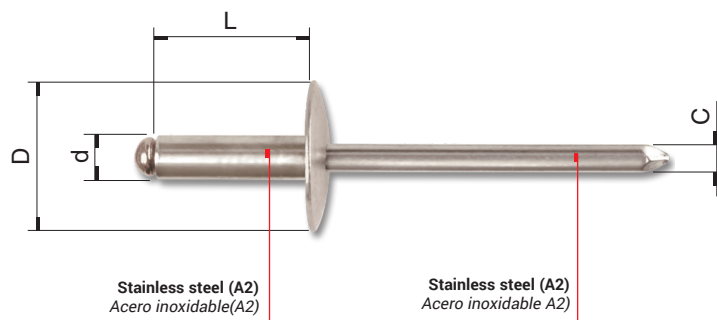
| d<br>Inch<br>(mm) | L<br>Inch<br>mm | D<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | Inch<br>(mm)  | min ÷ Max<br>Inch<br>mm  | lbf<br>(N)       | lbf<br>(N)       |
|-------------------|-----------------|-------------------|-------------------|----------------|---------------|--------------------------|------------------|------------------|
| 1/8"<br>(3.2)     | .236<br>6       | .256<br>(6.5)     | .043<br>(1.1)     | 525320603      | .130<br>(3.3) | .079 ÷ .098<br>2 ÷ 2.5   | 606<br>(2700 N)  | 528<br>(2350 N)  |
|                   | .315<br>8       |                   |                   | 525320803      |               | .098 ÷ .177<br>2.5 ÷ 4.5 |                  |                  |
|                   | .394<br>10      |                   |                   | 525321003      |               | .177 ÷ .256<br>4.5 ÷ 6.5 |                  |                  |
| 5/32"<br>(4)      | .315<br>8       | .315<br>(8)       | .051<br>(1.30)    | 525400803      | .161<br>(4.1) | .118 ÷ .157<br>3 ÷ 4     | 921<br>(4100 N)  | 764<br>(3400 N)  |
|                   | .394<br>10      |                   |                   | 525401003      |               | .157 ÷ .236<br>4 ÷ 6     |                  |                  |
|                   | .472<br>12      |                   |                   | 525401203      |               | .236 ÷ .315<br>6 ÷ 8     |                  |                  |
| 3/16"<br>(4.8)    | .394<br>10      | .354<br>(9)       | .059<br>(1.50)    | 525481003      | .197<br>(5)   | .138 ÷ .217<br>3.5 ÷ 5.5 | 1348<br>(6000 N) | 1168<br>(5200 N) |
|                   | .472<br>12      |                   |                   | 525481203      |               | .217 ÷ .295<br>5.5 ÷ 7.5 |                  |                  |
|                   | .551<br>14      |                   |                   | 525481403      |               | .295 ÷ .374<br>7.5 ÷ 9.5 |                  |                  |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

- > The marked sizes are available only on request. Minimum quantity: 30.000 pcs.
- > Las medidas evidenciadas se encuentran disponibles solo sobre pedido y para cantidades mínimas de 30.000 piezas.

# STAINLESS STEEL (A2) RIVETS LARGE HEAD

REMACHES DE ACERO INOXIDABLE (A2) CABEZA ANCHA

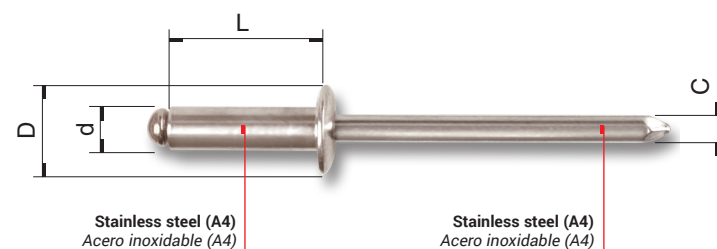


| d<br>Inch<br>(mm) | L<br>Inch<br>mm | D<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | Inch<br>(mm) | min ÷ Max<br>Inch<br>mm    | lb<br>(N)        | lb<br>(N)        |
|-------------------|-----------------|-------------------|-------------------|----------------|--------------|----------------------------|------------------|------------------|
| 3/16"<br>(4.8)    | .394<br>10      | .551<br>(14)      | .118<br>(3)       | 523481003      | .197<br>(5)  | .138 ÷ .217<br>3.5 ÷ 5.5   | 1348<br>(6000 N) | 1168<br>(5200 N) |
|                   | .472<br>12      |                   |                   | 523481203      |              | .217 ÷ .295<br>5.5 ÷ 7.5   |                  |                  |
|                   | .551<br>14      |                   |                   | 523481403      |              | .295 ÷ .374<br>7.5 ÷ 9.5   |                  |                  |
|                   | .630<br>16      |                   |                   | 523481603      |              | .374 ÷ .453<br>9.5 ÷ 11.5  |                  |                  |
|                   | .709<br>18      |                   |                   | 523481803      |              | .453 ÷ .531<br>11.5 ÷ 13.5 |                  |                  |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

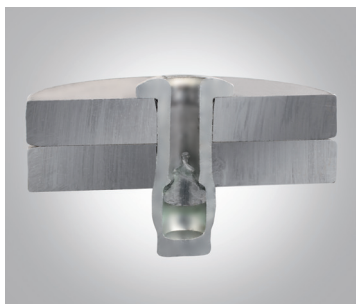
# STAINLESS STEEL (A4) RIVETS

REMACHES DE ACERO INOXIDABLE (A4)



| d<br>Inch<br>(mm) | L<br>Inch<br>mm | D<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | Inch<br>(mm)  | min ÷ Max<br>Inch<br>mm  | lb<br>(N)        | lb<br>(N)        |
|-------------------|-----------------|-------------------|-------------------|----------------|---------------|--------------------------|------------------|------------------|
| 1/8"<br>(3.2)     | .236<br>6       | .256<br>(6.5)     | .079<br>(2)       | 526320603      | .130<br>(3.3) | .039 ÷ .098<br>1 ÷ 2.5   | 618<br>(2750 N)  | 539<br>(2400 N)  |
|                   | .315<br>8       |                   |                   | 526320803      |               | .098 ÷ .177<br>2.5 ÷ 4.5 |                  |                  |
|                   | .394<br>10      |                   |                   | 526321003      |               | .177 ÷ .256<br>4.5 ÷ 6.5 |                  |                  |
| 5/32"<br>(4)      | .315<br>8       | .315<br>(8)       | .094<br>(2.40)    | 526400803      | .161<br>(4.1) | .079 ÷ .157<br>2 ÷ 4     | 921<br>(4100 N)  | 764<br>(3400 N)  |
|                   | .394<br>10      |                   |                   | 526401003      |               | .157 ÷ .236<br>4 ÷ 6     |                  |                  |
|                   | .472<br>12      |                   |                   | 526401203      |               | .236 ÷ .315<br>6 ÷ 8     |                  |                  |
|                   | .551<br>14      |                   |                   | 526401403      |               | .315 ÷ .394<br>8 ÷ 10    |                  |                  |
| 3/16"<br>(4.8)    | .394<br>10      | .354<br>(9)       | .118<br>(3)       | 526481003      | .197<br>(5)   | .138 ÷ .217<br>3.5 ÷ 5.5 | 1325<br>(5900 N) | 1157<br>(5150 N) |
|                   | .472<br>12      |                   |                   | 526481203      |               | .217 ÷ .295<br>5.5 ÷ 7.5 |                  |                  |
|                   | .551<br>14      |                   |                   | 526481403      |               | .295 ÷ .374<br>7.5 ÷ 9.5 |                  |                  |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

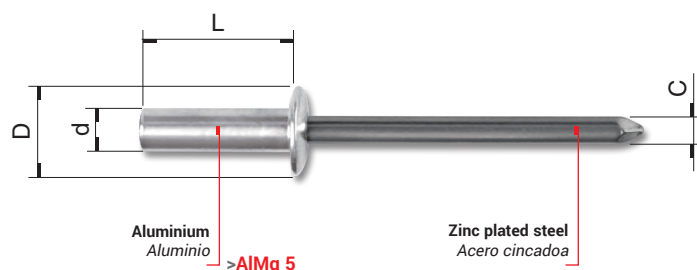


## SEALED RIVETS

### REMACHES ESTANCOS

## ALUMINIUM SEALED RIVETS

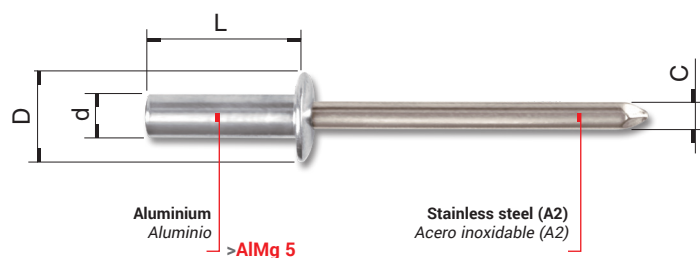
### REMACHES ESTANCOS DE ALUMINIO



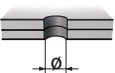
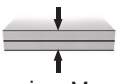
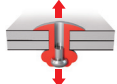
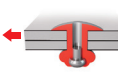
| d     | L    |      | D    | C    | Code      |      | min ÷ Max   |           |     |     |
|-------|------|------|------|------|-----------|------|-------------|-----------|-----|-----|
| Inch  | Inch | mm   | Inch | Inch | Código    | Inch | Inch        | mm        | lbf | lbf |
| (mm)  |      |      | (mm) | (mm) |           | (mm) |             |           | (N) | (N) |
| 1/8"  | .295 | 7.5  | .236 | .067 | 541320703 | .130 | .039 ÷ .138 | 1 ÷ 3.5   | 270 | 261 |
|       | .354 | 9    |      |      | 541320903 |      | .138 ÷ .177 | 3.5 ÷ 4.5 |     |     |
|       | .413 | 10.5 |      |      | 541321003 |      | .177 ÷ .236 | 4.5 ÷ 6   |     |     |
|       | .472 | 12   |      |      | 541321203 |      | .236 ÷ .315 | 6 ÷ 8     |     |     |
| 5/32" | .315 | 8    | .315 | .089 | 541400803 | .161 | .039 ÷ .138 | 1 ÷ 3.5   | 495 | 405 |
|       | .394 | 10   |      |      | 541401003 |      | .138 ÷ .217 | 3.5 ÷ 5   |     |     |
|       | .472 | 12   |      |      | 541401203 |      | .217 ÷ .295 | 6.5 ÷ 7.5 |     |     |
|       | .551 | 14   |      |      | 541401403 |      | .295 ÷ .374 | 7.5 ÷ 9   |     |     |
| 3/16" | .335 | 8.5  | .374 | .102 | 541480803 | .197 | .039 ÷ .138 | 1 ÷ 3.5   | 562 | 595 |
|       | .394 | 10   |      |      | 541481003 |      | .138 ÷ .197 | 3.5 ÷ 5   |     |     |
|       | .453 | 11.5 |      |      | 541481103 |      | .197 ÷ .236 | 5 ÷ 6     |     |     |
|       | .512 | 13   |      |      | 541481303 |      | .236 ÷ .295 | 6 ÷ 7.5   |     |     |
|       | .571 | 14.5 |      |      | 541481403 |      | .295 ÷ .354 | 7.5 ÷ 9   |     |     |
|       | .650 | 16.5 |      |      | 541481603 |      | .354 ÷ .413 | 9 ÷ 10.5  |     |     |
|       | .709 | 18   |      |      | 541481803 |      | .413 ÷ .472 | 10.5 ÷ 12 |     |     |
|       | .866 | 22   |      |      | 541482203 |      | .472 ÷ .630 | 12 ÷ 16   |     |     |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios





ALUMINIUM SEALED RIVETS - STAINLESS STEEL NAIL  
REMACHES ESTANCOS DE ALUMINIO - CLAVO DE ACERO INOXIDABLE

| d            | L    |      | D            | C            | Code      |  |  |  |  |          |             |         |          |          |
|--------------|------|------|--------------|--------------|-----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|-------------|---------|----------|----------|
| Inch<br>(mm) | Inch | mm   | Inch<br>(mm) | Inch<br>(mm) | Código    | Inch<br>(mm)                                                                      | min ÷ Max<br>Inch      mm                                                          | lbf<br>(N)                                                                          | lbf<br>(N)                                                                          |          |             |         |          |          |
| 1/8"         | .295 | 7.5  | .236         | .067         | 543320703 | .130                                                                              | .059 ÷ .138                                                                        | 1.5 ÷ 3.5                                                                           | 270                                                                                 | 261      |             |         |          |          |
| (3.2)        | .354 | 9    | (6)          | (1.70)       | 543320903 | (3.3)                                                                             | .138 ÷ .177                                                                        | 3.5 ÷ 4.5                                                                           | (1200 N)                                                                            | (1160 N) |             |         |          |          |
| 5/32"        | .315 | 8    | .315         | .089         | 543400803 | .161                                                                              | .039 ÷ .138                                                                        | 1 ÷ 3.5                                                                             | 495                                                                                 | 405      |             |         |          |          |
|              | .394 | 10   |              |              | (8)       |                                                                                   | (2.25)                                                                             | 543401003                                                                           |                                                                                     |          | .138 ÷ .217 | 3.5 ÷ 5 | (2200 N) | (1800 N) |
|              | .472 | 12   |              |              | 543401203 |                                                                                   | .217 ÷ .295                                                                        | 6.5 ÷ 7.5                                                                           |                                                                                     |          |             |         |          |          |
| 3/16"        | .335 | 8.5  | .374         | .102         | 543480803 | .197                                                                              | .039 ÷ .138                                                                        | 1 ÷ 3.5                                                                             | 562                                                                                 | 595      |             |         |          |          |
|              | .453 | 11.5 |              |              | (9.5)     |                                                                                   | (2.60)                                                                             | 543481103                                                                           |                                                                                     |          | .138 ÷ .236 | 3.5 ÷ 6 | (2500 N) | (2650 N) |
|              | .571 | 14.5 |              |              | 543481403 |                                                                                   | .236 ÷ .354                                                                        | 6 ÷ 9                                                                               |                                                                                     |          |             |         |          |          |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

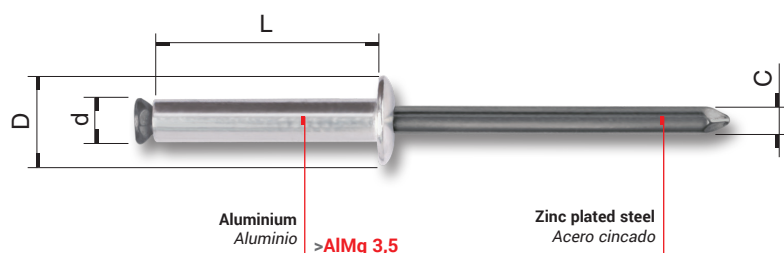
> ! ATTENTION: Available only on request. Minimum quantity: 30,000 pcs.

> ! ATENCIÓN: Disponibles solo sobre pedido y para cantidades mínimas de 30.000 piezas.



**"GRAF" (PEEL) RIVETS**  
REMACHES "GRAF"

- Wide grip range
- Great fastening on surfaces that are not completely flat
- Excellent results on particularly fragile or tender materials
- Amplio rango de espesor a remachar
- Buena fijación sobre superficies no completamente planas
- Excelentes resultados sobre materiales particularmente frágiles o blandos



**ALUMINIUM "GRAF" (PEEL) RIVETS**  
REMACHES "GRAF" DE ALUMINIO

| d<br>Inch<br>(mm) | L<br>Inch<br>mm | D<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | Inch<br>(mm) | min ÷ Max<br>Inch<br>mm | lbf<br>(N) | lbf<br>(N) |
|-------------------|-----------------|-------------------|-------------------|----------------|--------------|-------------------------|------------|------------|
| 5/32"<br>(4)      | .472            | 12                |                   | 551401203      |              | .118 ÷ .236             | 3 ÷ 6      |            |
|                   | .630            | 16                | .315              | 551401603      | .169         | .236 ÷ .394             | 6 ÷ 10     | 281        |
|                   | .787            | 20                | (8)               | 551402003      | (4.3)        | .394 ÷ .551             | 10 ÷ 14    | (1250 N)   |
|                   | .984            | 25                | (2.20)            | 551402503      |              | .551 ÷ .709             | 14 ÷ 18    | (1450 N)   |
| 3/16"<br>(4.8)    | .472            | 12                |                   | 551481203      |              | .079 ÷ .236             | 2 ÷ 6      |            |
|                   | .630            | 16                |                   | 551481603      |              | .236 ÷ .394             | 6 ÷ 10     |            |
|                   | .787            | 20                |                   | 551482003      |              | .394 ÷ .551             | 10 ÷ 14    |            |
|                   | .984            | 25                | .394              | 551482503      | .209         | .551 ÷ .709             | 14 ÷ 18    | 449        |
|                   | 1.181           | 30                | (10)              | 551483003      | (5.3)        | .709 ÷ .866             | 18 ÷ 22    | (2000 N)   |
|                   | 1.378           | 35                | (2.60)            | 551483503      |              | .866 ÷ 1.063            | 22 ÷ 27    | 483        |
|                   | 1.575           | 40                |                   | 551484003      |              | 1.063 ÷ 1.260           | 27 ÷ 32    | (2150 N)   |
|                   | 1.969           | 50                |                   | 551485003      |              | 1.260 ÷ 1.654           | 32 ÷ 42    |            |
| 1/4"<br>(6.4)     | .709            | 18                |                   | 551641803      |              | .118 ÷ .276             | 3 ÷ 7      |            |
|                   | .866            | 22                | .472              | 551642203      | .276         | .276 ÷ .433             | 7 ÷ 11     | 674        |
|                   | 1.024           | 26                | (12)              | 551642603      | (7)          | .433 ÷ .591             | 11 ÷ 15    | (3000 N)   |
|                   | 1.181           | 30                | (3.50)            | 551643003      |              | .591 ÷ .787             | 15 ÷ 20    | 674        |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

## GROOVED RIVETS

REMACHES RANURADOS

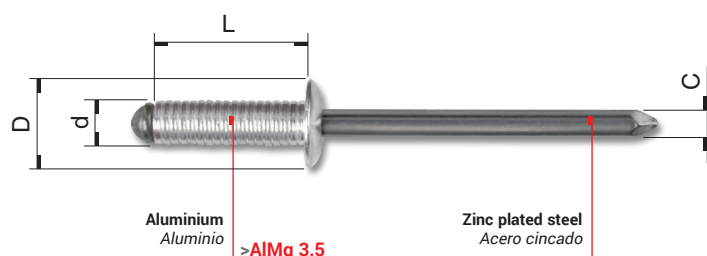


- Indicated for blind holes, especially in the construction field
- Excellent fastening on wood

- Indicado para agujeros ciegos, especialmente en el campo de la construcción
- Excelente fijación sobre madera

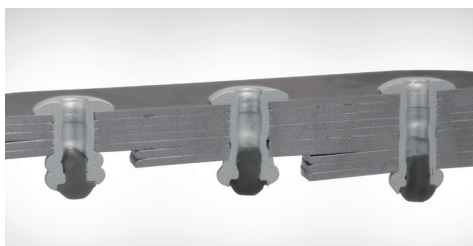
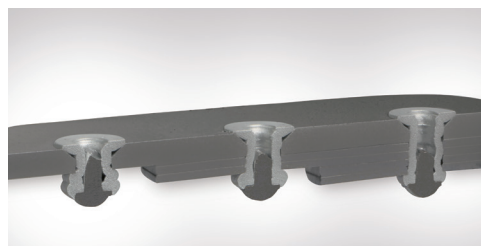
## ALUMINIUM GROOVED RIVETS

REMACHES RANURADOS DE ALUMINIO



| d<br>Inch<br>(mm) | L<br>Inch<br>mm | D<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | Inch<br>(mm)  |
|-------------------|-----------------|-------------------|-------------------|----------------|---------------|
| 1/8"<br>(3.2)     | .551<br>14      | .256<br>(6.5)     | .071<br>(1.80)    | 552321403      | .138<br>(3.5) |
| 5/32"<br>(4)      | .315<br>8       | .315<br>(8)       | .087<br>(2.20)    | 552400803      | .169<br>(4.3) |
|                   | .394<br>10      |                   |                   | 552401003      |               |
|                   | .472<br>12      |                   |                   | 552401203      |               |
|                   | .551<br>14      |                   |                   | 552401403      |               |
|                   | .630<br>16      |                   |                   | 552401603      |               |
| .197<br>(5)       | .315<br>8       | .394<br>(10)      | .102<br>(2.60)    | 552500803      | .205<br>(5.2) |
|                   | .394<br>10      |                   |                   | 552501003      |               |
|                   | .472<br>12      |                   |                   | 552501203      |               |
|                   | .551<br>14      |                   |                   | 552501403      |               |
|                   | .630<br>16      |                   |                   | 552501603      |               |
|                   | .709<br>18      |                   |                   | 552501803      |               |
|                   | .787<br>20      |                   |                   | 552502003      |               |
|                   | .984<br>25      |                   |                   | 552502503      |               |
|                   | 1.377<br>35     |                   |                   | 552503503      |               |

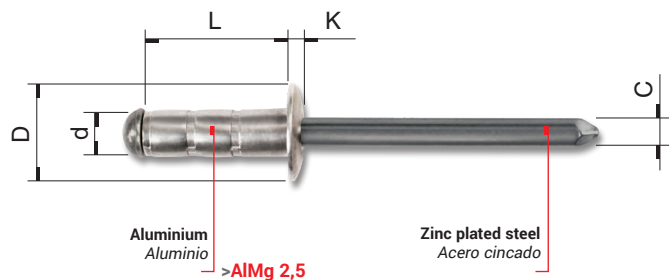
- > The marked sizes are available only on request. Minimum quantity: 30.000 pcs.
- > Las medidas evidenciadas se encuentran disponibles solo sobre pedido y para cantidades mínimas de 30.000 piezas.



# MULTISTAGE - MULTIFAR RIVETS REMACHES MULTI-ESTADOS - MULTIFAR

- Wide grip range
- One length covers the grip range of several standard rivets
- Compensates the presence of irregular holes
- Nail retention

- Amplio rango de espesor a remachar
- Una sola longitud cubre el rango de espesor a remachar de varios remaches estándar
- Compensa la presencia de agujeros irregulares
- Vástago con retención de cabeza

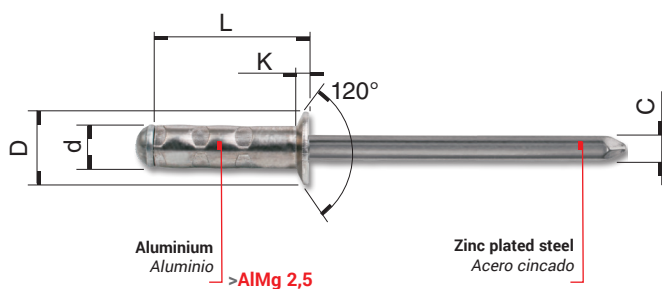


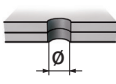
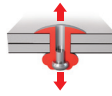
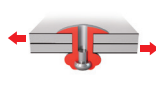
## ALUMINIUM MULTISTAGE MULTIFAR RIVETS REMACHES MULTI-ESTADOS MULTIFAR DE ALUMINIO

| d<br>Inch<br>(mm) | L<br>Inch<br>(mm) | D<br>Inch<br>(mm) | K<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | Ø<br>Inch<br>(mm) | min ÷ Max<br>Inch<br>mm  | lbf<br>(N)      | lbf<br>(N)      |
|-------------------|-------------------|-------------------|-------------------|-------------------|----------------|-------------------|--------------------------|-----------------|-----------------|
| 1/8"<br>(3.2)     | .315<br>8         | .256<br>(6.5)     | .039<br>(1)       | .071<br>(1.80)    | 553320803      | .134<br>(3.4)     | .039 ÷ .189<br>1 ÷ 4.8   | 247<br>(1100 N) | 191<br>(850 N)  |
|                   | .374<br>9.5       |                   |                   |                   | 553320903      |                   | .079 ÷ .256<br>2 ÷ 6.5   |                 |                 |
|                   | .453<br>11.5      |                   |                   |                   | 553321103      |                   | .157 ÷ .315<br>4 ÷ 8     |                 |                 |
| 5/32"<br>(4)      | .394<br>10        | .315<br>(8)       | .043<br>(1.10)    | .083<br>(2.10)    | 553401003      | .165<br>(4.2)     | .047 ÷ .256<br>1.2 ÷ 6.5 | 371<br>(1650 N) | 270<br>(1200 N) |
|                   | .512<br>13        |                   |                   |                   | 553401303      |                   | .157 ÷ .374<br>4 ÷ 9.5   |                 |                 |
|                   | .669<br>17        |                   |                   |                   | 553401703      |                   | .315 ÷ .531<br>8 ÷ 13.5  |                 |                 |
| 3/16"<br>(4.8)    | .433<br>11        | .394<br>(10)      | .057<br>(1.45)    | .114<br>(2.90)    | 553481103      | .201<br>(5.1)     | .051 ÷ .256<br>1.3 ÷ 6.5 | 528<br>(2350 N) | 348<br>(1550 N) |
|                   | .591<br>15        |                   |                   |                   | 553481503      |                   | .189 ÷ .394<br>4.8 ÷ 10  |                 |                 |
|                   | .669<br>17        |                   |                   |                   | 553481703      |                   | .217 ÷ .472<br>5.5 ÷ 12  |                 |                 |
|                   | .984<br>25        |                   |                   |                   | 553482503      |                   | .472 ÷ .709<br>12 ÷ 18   |                 |                 |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

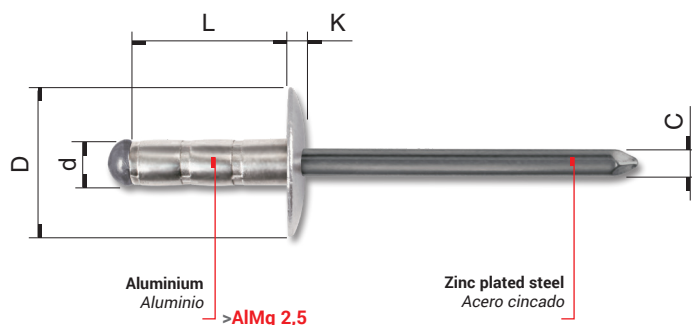
**ALUMINIUM MULTISTAGE MULTIFAR RIVETS COUNTERSUNK HEAD**  
**REMACHES MULTI-ESTADOS MULTIFAR DE ALUMINIO CABEZA AVELLANADA**

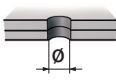
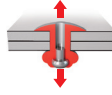
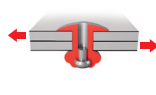


| d<br>Inch<br>(mm) | L<br>Inch<br>(mm) | D<br>Inch<br>(mm) | K<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | <br>Inch<br>(mm) | min ÷ Max<br>Inch<br>mm   | <br>lbf<br>(N) | <br>lbf<br>(N) |
|-------------------|-------------------|-------------------|-------------------|-------------------|----------------|---------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 1/8"<br>(3.2)     | .394<br>10        | .236<br>(6)       | .031<br>(0.8)     | .071<br>(1.80)    | 554321003      | .134<br>(3.4)                                                                                     | .094 ÷ .252<br>2.4 ÷ 6.4  | 225<br>(1000 N)                                                                                   | 191<br>(850 N)                                                                                    |
| 5/32"<br>(4)      | .433<br>11        | .256<br>(6.5)     | .031<br>(0.8)     | .083<br>(2.10)    | 554401103      | .165<br>(4.2)                                                                                     | .110 ÷ .311<br>2.8 ÷ 7.9  | 371<br>(1650 N)                                                                                   | 270<br>(1200 N)                                                                                   |
| 3/16"<br>(4.8)    | .433<br>11        | .335<br>(8.5)     | .043<br>(1.10)    | .114<br>(2.90)    | 554481103      | .201<br>(5.1)                                                                                     | .126 ÷ .311<br>3.2 ÷ 7.9  | 528<br>(2350 N)                                                                                   | 348<br>(1550 N)                                                                                   |
|                   | .669<br>17        |                   |                   |                   | 554481703      |                                                                                                   | .252 ÷ .500<br>6.4 ÷ 12.7 |                                                                                                   |                                                                                                   |

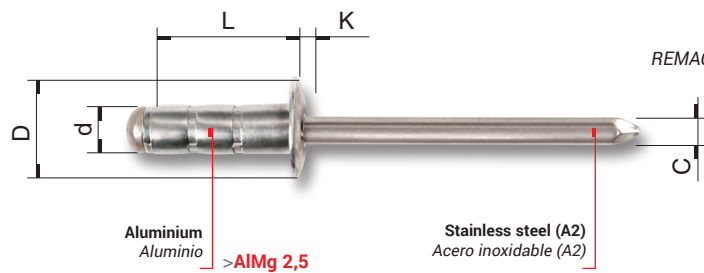
> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

**ALUMINIUM MULTISTAGE MULTIFAR RIVETS LARGE HEAD**  
**REMACHES MULTI-ESTADOS MULTIFAR DE ALUMINIO, CABEZA ANCHA**



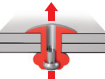
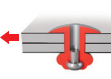
| d<br>Inch<br>(mm) | L<br>Inch<br>(mm) | D<br>Inch<br>(mm) | K<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | <br>Inch<br>(mm) | min ÷ Max<br>Inch<br>mm  | <br>lbf<br>(N) | <br>lbf<br>(N) |
|-------------------|-------------------|-------------------|-------------------|-------------------|----------------|-----------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 3/16"<br>(4.8)    | .394<br>10        | .630<br>(16)      | .071<br>(1.80)    | .114<br>(2.90)    | 555481003      | .201<br>(5.1)                                                                                       | .063 ÷ .236<br>1.6 ÷ 6.0 | 528<br>(2350 N)                                                                                     | 348<br>(1550 N)                                                                                     |
|                   | .630<br>16        |                   |                   |                   | 555481603      |                                                                                                     | .236 ÷ .433<br>6.0 ÷ 11  |                                                                                                     |                                                                                                     |
|                   | .984<br>25        |                   |                   |                   | 555482503      |                                                                                                     | .472 ÷ .669<br>12 ÷ 17   |                                                                                                     |                                                                                                     |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

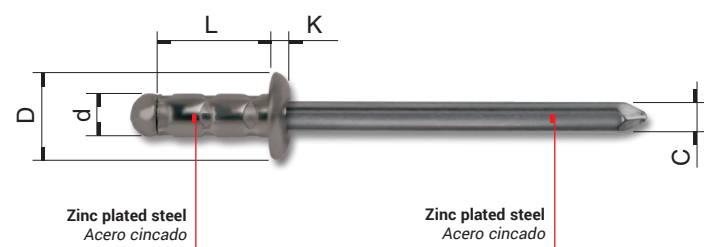


## ALUMINIUM MULTISTAGE MULTIFAR RIVETS STAINLESS STEEL NAIL

REMACHES MULTI-ESTADOS MULTIFAR EN ALUMINIO CON CLAVO DE ACERO INOXIDABLE

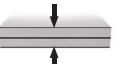
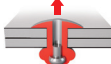
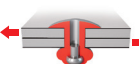
| d            | L    |      | D            | K            | C            | Code      |  | min ÷ Max   |           |  |  |          |          |
|--------------|------|------|--------------|--------------|--------------|-----------|-----------------------------------------------------------------------------------|-------------|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|----------|
| Inch<br>(mm) | Inch | (mm) | Inch<br>(mm) | Inch<br>(mm) | Inch<br>(mm) | Código    | Inch<br>(mm)                                                                      | Inch        | mm        | lbf<br>(N)                                                                          | lbf<br>(N)                                                                          |          |          |
| 5/32"        | .394 | 10   | .315         | .043         | .083         | 557401003 | .165                                                                              | .047 ÷ .256 | 1.2 ÷ 6.5 | 371                                                                                 | 270                                                                                 |          |          |
| (4)          | .512 | 13   | (8)          | (1.10)       | (2.10)       | 557401303 | (4.2)                                                                             | .157 ÷ .374 | 4 ÷ 9.5   | (1650 N)                                                                            | (1200 N)                                                                            |          |          |
| 3/16"        | .433 | 11   | .394         | .057         | .114         | 557481103 | .201                                                                              | .051 ÷ .256 | 1.3 ÷ 6.5 | 528                                                                                 | 348                                                                                 |          |          |
|              | .591 | 15   |              |              |              | 557481503 |                                                                                   | .189 ÷ .394 | 4.8 ÷ 10  |                                                                                     |                                                                                     | (2350 N) | (1550 N) |
|              | .984 | 25   |              |              |              | 557482503 |                                                                                   | .394 ÷ .709 | 10 ÷ 18   |                                                                                     |                                                                                     |          |          |

&gt; Resistance values may be subject to changes &gt; Los valores de resistencia pueden estar sujetos a cambios



## STEEL MULTISTAGE MULTIFAR RIVETS

REMACHES MULTI-ESTADOS MULTIFAR DE ACERO

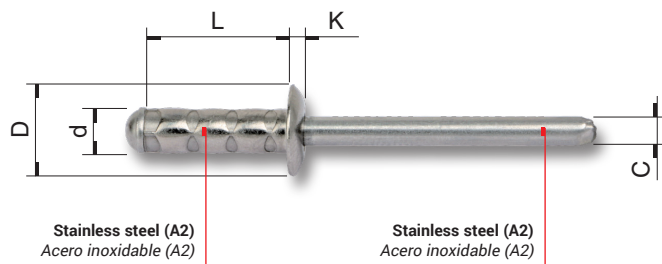
| d              | L    |      | D             | K              | C              | Code      |  |  |  |  |
|----------------|------|------|---------------|----------------|----------------|-----------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Inch<br>(mm)   | Inch | (mm) | Inch<br>(mm)  | Inch<br>(mm)   | Inch<br>(mm)   | Código    | Inch<br>(mm)                                                                        | min ÷ Max<br>Inch      mm                                                             | lbf<br>(N)                                                                            | lbf<br>(N)                                                                            |
| 1/8"<br>(3.2)  | .394 | 10   | .256<br>(6.5) | .039<br>(1)    | .083<br>(2.10) | 556321003 | .134<br>(3.4)                                                                       | .039 ÷ .157<br>1 ÷ 4                                                                  | 371<br>(1650 N)                                                                       | 292<br>(1300 N)                                                                       |
| 5/32"<br>(4)   | .433 | 11   | .315<br>(8)   | .043<br>(1.10) | .102<br>(2.60) | 556401103 | .165<br>(4.2)                                                                       | .059 ÷ .197<br>1.5 ÷ 5                                                                | 550<br>(2450 N)                                                                       | 427<br>(1900 N)                                                                       |
| 3/16"<br>(4.8) | .433 | 11   | .394<br>(10)  | .057<br>(1.45) | .122<br>(3.10) | 556481103 | .201<br>(5.1)                                                                       | .047 ÷ .248<br>1.2 ÷ 6.3                                                              | 786<br>(3500 N)                                                                       | 562<br>(2500 N)                                                                       |

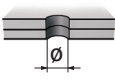
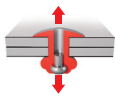
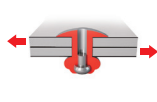
&gt; Resistance values may be subject to changes &gt; Los valores de resistencia pueden estar sujetos a cambios



# STAINLESS STEEL MULTISTAGE "PLUS INOX" RIVETS

REMACHES MULTI-ESTADOS "PLUS INOX" DE ACERO INOXIDABLE



| d<br>Inch<br>(mm) | L<br>Inch<br>(mm) | D<br>Inch<br>(mm) | K<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | <br>Inch<br>(mm) | min ÷ Max<br>Inch<br>mm | <br>lbf<br>(N) | <br>lbf<br>(N) |
|-------------------|-------------------|-------------------|-------------------|-------------------|----------------|---------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 1/8"<br>(3.2)     | .433<br>11        | .256<br>(6.5)     | .043<br>(1.10)    | .085<br>(2.15)    | 586321103      | .134<br>(3.4)                                                                                     | .039 ÷ .236<br>1 ÷ 6    | 404<br>(1800 N)                                                                                   | 404<br>(1800 N)                                                                                   |
| 5/32"<br>(4)      | .472<br>12        | .315<br>(8)       | .051<br>(1.30)    | .102<br>(2.60)    | 586401203      | .165<br>(4.2)                                                                                     | .079 ÷ .315<br>2 ÷ 8    | 674<br>(3000 N)                                                                                   | 606<br>(2700 N)                                                                                   |
| 3/16"<br>(4.8)    | .591<br>15        | .394<br>(10)      | .059<br>(1.50)    | .126<br>(3.20)    | 586481503      | .201<br>(5.1)                                                                                     | .059 ÷ .354<br>1.5 ÷ 9  | 1011<br>(4500 N)                                                                                  | 898<br>(4000 N)                                                                                   |

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

## HIGH PERFORMANCE RIVETS

### REMACHES DE ALTO RENDIMIENTO

&gt;GB

These products are designed to provide a fixing solution where high mechanical strength and vibration resistance are required. Its peculiarity consists in the joining of the two parts of the rivet to provide a highly integral structure after clamping the components together.

&gt;E

Estos productos están diseñados para obtener uniones donde se requieren alta resistencia mecánica y vibración.

La peculiaridad de estos productos consiste en el acoplamiento entre los dos componentes del remache que, después de la fijación, forman una estructura integrada entre ellos y las piezas que se unirán.

## MULTIFAR INOX



&gt; Pag. 37

- High mechanical and corrosion resistance
- Good vibration resistance
- Locked head nail
- Tolerates the presence of irregular holes

- Alta resistencia mecánica y a la corrosión
- Buena resistencia a las vibraciones
- Vástago con retención de cabeza
- Compatible con agujeros irregulares

## TAMP

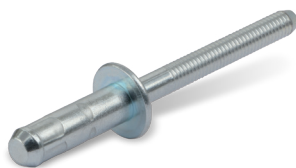


&gt; Pag. 38

- High mechanical strength
- Good vibration resistance
- Locked head nail
- Tolerates the presence of irregular holes

- Alta resistencia mecánica
- Buena resistencia a las vibraciones
- Vástago con retención de cabeza
- Compatible con agujeros irregulares

## TAMP AP



> Pag. 39

## FARBOLT



> Pag. 40

## X-TRIFAR / S-TRIFAR



> Pag. 42

- Highest mechanical strength in the range
- Excellent vibration resistance
- Locked head nail
- Consistent shear strength on any thickness

- *La resistencia mecánica más alta de la gama*
- *Excelente resistencia a las vibraciones*
- *Vástago con retención de cabeza*
- *Resistencia al corte constante en distintos espesores*

- High mechanical strength
- Excellent vibration resistance thanks to the radial expansion
- Locked head nail
- Consistent shear strength on any thickness
- Wide grip range

- *Alta resistencia mecánica*
- *Excelente resistencia a las vibraciones gracias a la expansión radial*
- *Vástago con retención de cabeza*
- *Resistencia al corte constante en distintos espesores*
- *Amplio rango de espesor a remachar*

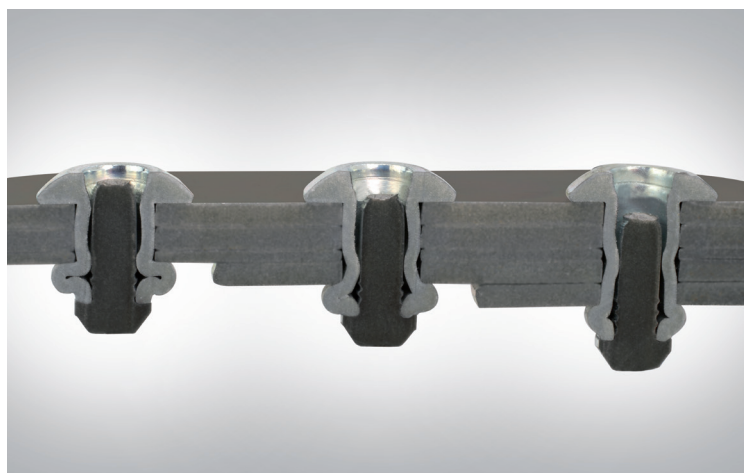
- High mechanical strength on fragile materials
- Good mechanical strength thanks to wide deformation
- Locked head nail
- Wide grip range
- Underhead seal (S-Trifar)
- Indicated for outdoor applications

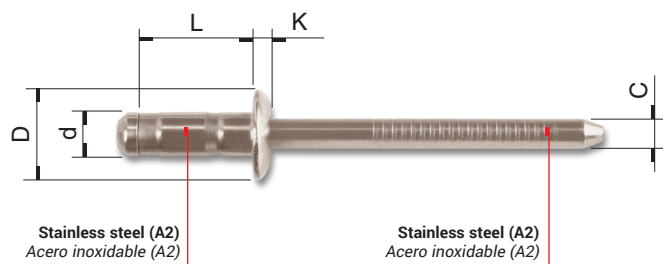
- *Altas resistencias mecánicas sobre materiales frágiles*
- *Buena resistencia mecánica gracias a la amplia deformación*
- *Vástago con retención de cabeza*
- *Amplio rango de espesor a remachar*
- *Guarnición bajo la cabeza (S-Trifar)*
- *Indicado para aplicaciones en exterior*

These items feature the same characteristics as the multistage Multifar rivets and reach high values of mechanical resistance. Good resistance to vibrations. Retained nail. Suitable for extra-specifications and irregular holes.

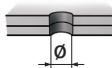
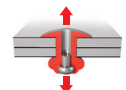
*Estos productos presentan las mismas características de los remaches multi-estados Multifar y alcanzan altos valores de resistencia mecánica. Buena resistencia a las vibraciones. Clavo retenido. Idóneo para agujeros irregulares y fuera especificaciones.*

"STAINLESS STEEL MULTIFAR" RIVETS - "TAMP" - "TAMP AP"  
REMACHES "MULTIFAR DE ACERO INOXIDABLE" - "TAMP" - "TAMP AP"

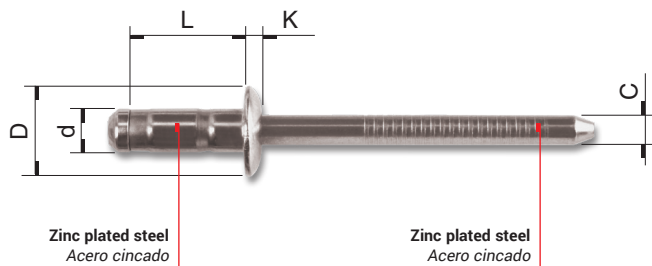




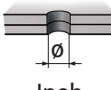
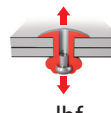
# STAINLESS STEEL (A2) MULTIFAR RIVETS REMACHES MULTIFAR DE ACERO INOXIDABLE (A2)

| d              | L    |      | D            | K              | C              | Code      |  | min ÷ Max   |           |  |  |
|----------------|------|------|--------------|----------------|----------------|-----------|-----------------------------------------------------------------------------------|-------------|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Inch<br>(mm)   | Inch | (mm) | Inch<br>(mm) | Inch<br>(mm)   | Inch<br>(mm)   | Código    | Inch<br>(mm)                                                                      | Inch        | mm        | lbf<br>(N)                                                                          | lbf<br>(N)                                                                          |
| 1/8"<br>(3.2)  | .276 | 7    | .256         | .043           | .089           | 547320703 | .134                                                                              | .039 ÷ .118 | 1 ÷ 3     | 450                                                                                 | 495 (2200 N)                                                                        |
|                | .354 | 9    | (6.5)        | (1.1)          | (2,25)         | 547320903 | (3.4)                                                                             | .118 ÷ .197 | 3 ÷ 5     | (2000 N)                                                                            | 495 (2200 N)                                                                        |
| 5/32"<br>(4)   | .276 | 7    | .315<br>(8)  | .051<br>(1.30) | .106<br>(2.70) | 547400703 | .165<br>(4.2)                                                                     | .047 ÷ .118 | 1.2 ÷ 3   | 719<br>(3200 N)                                                                     | 719 (3200 N)                                                                        |
|                | .354 | 9    |              |                |                | 547400903 |                                                                                   | .118 ÷ .197 | 3 ÷ 5     |                                                                                     | 764 (3400 N)                                                                        |
|                | .472 | 12   |              |                |                | 547401203 |                                                                                   | .197 ÷ .276 | 5 ÷ 7     |                                                                                     | 1394 (6200 N)                                                                       |
| 3/16"<br>(4.8) | .354 | 9    | .394<br>(10) | .059<br>(1.5)  | .130<br>(3.30) | 547480903 | .201<br>(5.1)                                                                     | .059 ÷ .138 | 1.5 ÷ 3.5 | 1124<br>(5000 N)                                                                    | 1124 (5000 N)                                                                       |
|                | .472 | 12   |              |                |                | 547481203 |                                                                                   | .138 ÷ .236 | 3.5 ÷ 6   |                                                                                     | 1124 (5000 N)                                                                       |
|                | .591 | 15   |              |                |                | 547481503 |                                                                                   | .236 ÷ .335 | 6 ÷ 8.5   |                                                                                     | 1978 (8800 N)                                                                       |

> Tests performed according to UNI EN ISO 14589 > Pruebas llevadas a cabo según UNI EN ISO 14589  
> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios



# ZINC PLATED STEEL "TAMP" RIVETS REMACHES "TAMP" DE ACERO CINCO

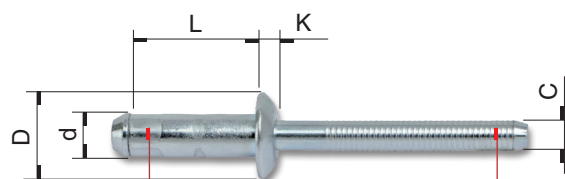
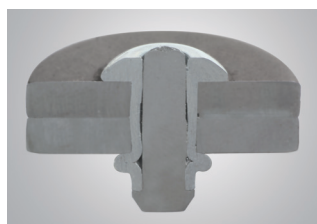
| d<br>Inch<br>(mm) | L    |      | D<br>Inch<br>(mm) | K<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | <br>Inch<br>(mm) | min ÷ Max   |           | <br>lbf<br>(N) | <br>lbf<br>(N) |
|-------------------|------|------|-------------------|-------------------|-------------------|----------------|---------------------------------------------------------------------------------------------------|-------------|-----------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
|                   | Inch | (mm) |                   |                   |                   |                |                                                                                                   | Inch        | mm        |                                                                                                   |                                                                                                   |
| 1/8"<br>(3.2)     | .276 | 7    | .256<br>(6.5)     | .039<br>(1)       | .087<br>(2.20)    | 546320703      | .134<br>(3.4)                                                                                     | .039 ÷ .118 | 1 ÷ 3     | 292<br>(1300 N)                                                                                   | 270 (1200 N)                                                                                      |
|                   | .354 | 9    |                   |                   |                   | 546320903      |                                                                                                   | .118 ÷ .197 | 3 ÷ 5     |                                                                                                   | 270 (1200 N)                                                                                      |
|                   | .433 | 11   |                   |                   |                   | 546321103      |                                                                                                   | .197 ÷ .276 | 5 ÷ 7     |                                                                                                   | 585 (2600 N)                                                                                      |
| 5/32"<br>(4)      | .276 | 7    | .315<br>(8)       | .051<br>(1.30)    | .106<br>(2.70)    | 546400703      | .165<br>(4.2)                                                                                     | .047 ÷ .118 | 1.2 ÷ 3   | 495<br>(2200 N)                                                                                   | 607 (2700 N)                                                                                      |
|                   | .354 | 9    |                   |                   |                   | 546400903      |                                                                                                   | .118 ÷ .197 | 3 ÷ 5     |                                                                                                   | 674 (3000 N)                                                                                      |
|                   | .472 | 12   |                   |                   |                   | 546401203      |                                                                                                   | .197 ÷ .276 | 5 ÷ 7     |                                                                                                   | 989 (4400 N)                                                                                      |
| 3/16"<br>(4.8)    | .354 | 9    | .394<br>(10)      | .059<br>(1.5)     | .126<br>(3.20)    | 546480903      | .201<br>(5.1)                                                                                     | .059 ÷ .138 | 1.5 ÷ 3.5 | 854<br>(3800 N)                                                                                   | 764 (3400 N)                                                                                      |
|                   | .472 | 12   |                   |                   |                   | 546481203      |                                                                                                   | .138 ÷ .236 | 3.5 ÷ 6   |                                                                                                   | 1147 (5100 N)                                                                                     |
|                   | .591 | 15   |                   |                   |                   | 546481503      |                                                                                                   | .236 ÷ .335 | 6 ÷ 8.5   |                                                                                                   | 1574 (7000 N)                                                                                     |
| 1/4"<br>(6.4)     | .492 | 12.5 | .512<br>(13)      | .106<br>(2.7)     | .154<br>(3.90)    | 546641203      | .264<br>(6.7)                                                                                     | .059 ÷ .217 | 1.5 ÷ 5.5 | 1349<br>(6000 N)                                                                                  | 1349 (6000 N)                                                                                     |
|                   | .630 | 16   |                   |                   |                   | 546641603      |                                                                                                   | .197 ÷ .354 | 5 ÷ 9     |                                                                                                   | 2136 (9500 N)                                                                                     |
|                   | .807 | 20.5 |                   |                   |                   | 546642003      |                                                                                                   | .315 ÷ .512 | 8 ÷ 13    |                                                                                                   | 2360 (10500 N)                                                                                    |

> Tests performed according to UNI EN ISO 14589 > Pruebas llevadas a cabo según UNI EN ISO 14589

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

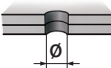
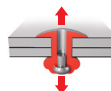
# HIGH PERFORMANCE RIVETS "TAMP AP"

REMACHES DE ALTO RENDIMIENTO "TAMP AP"



Low carbon steel  
Acero a contenido débil de carbono

Medium carbon steel  
Acero a contenido mediano de carbono

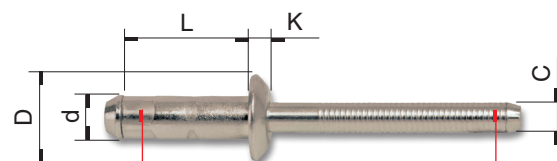
| d<br>Inch<br>(mm) | L<br>Inch<br>(mm) | D<br>Inch<br>(mm) | K<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | <br>Inch<br>(mm) | min ÷ Max<br>Inch      mm | <br>lbf<br>(N) | <br>lbf<br>(N) |
|-------------------|-------------------|-------------------|-------------------|-------------------|----------------|---------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 1/4"<br>(6.4)     | .492              | 12,5              |                   |                   | 587641203      |                                                                                                   | .079 ÷ .197      2 ÷ 5    |                                                                                                   | 2923 (13000 N)                                                                                    |
|                   | .571              | 14,5              | .512<br>(13)      | .106<br>(2.7)     | 587641403      | .264<br>(6,7)                                                                                     | .197 ÷ .315      5 ÷ 8    | 1911<br>(8500 N)                                                                                  | 2923 (13000 N)                                                                                    |
|                   | .728              | 18,5              |                   |                   | 587641803      |                                                                                                   | .315 ÷ .433      8 ÷ 11   |                                                                                                   | 3417 (15200 N)                                                                                    |

> Tests performed according to UNI EN ISO 14589 > Pruebas llevadas a cabo según UNI EN ISO 14589

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

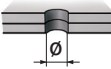
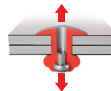
# HIGH PERFORMANCE RIVETS "TAMP AP INOX"

REMACHES DE ALTO RENDIMIENTO "TAMP AP INOX"



Stainless steel A2  
Acero inoxidable A2

Stainless steel A2  
Acero inoxidable A2

| d<br>Inch<br>(mm) | L<br>Inch<br>(mm) | D<br>Inch<br>(mm) | K<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | <br>Inch<br>(mm) | min ÷ Max<br>Inch      mm | <br>lbf<br>(N) | <br>lbf<br>(N) |
|-------------------|-------------------|-------------------|-------------------|-------------------|----------------|-----------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 1/4"<br>(6.4)     | .492              | 12,5              |                   |                   | 592641203      |                                                                                                     | .079 ÷ .197      2 ÷ 5    |                                                                                                     | 2923 (13000 N)                                                                                      |
|                   | .571              | 14,5              | .512<br>(13)      | .106<br>(2.7)     | 592641403      | .264<br>(6,7)                                                                                       | .197 ÷ .315      5 ÷ 8    | 1798<br>(8000 N)                                                                                    | 3327 (14800 N)                                                                                      |
|                   | .728              | 18,5              |                   |                   | 592641803      |                                                                                                     | .315 ÷ .433      8 ÷ 11   |                                                                                                     | 3372 (15000 N)                                                                                      |

> Tests performed according to UNI EN ISO 14589 > Pruebas llevadas a cabo según UNI EN ISO 14589

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios



With Farbolt rivets, at shearing, nail and body turn into one single structure, giving high resistance to mechanic loads.

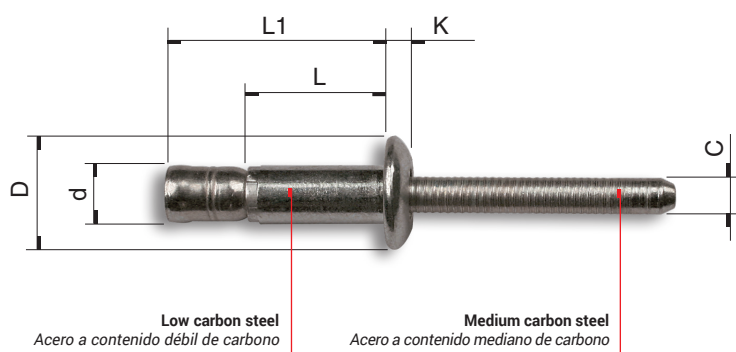
El remache Farbolt es un remache donde el cuerpo y el clavo combinan una parte unica al momento de la rotura, dando una elevada resistencia a las altas cargas mecanicas.

## STRUCTURAL FARBOLT RIVETS REMACHES ESTRUCTURALES FARBOLT



A special nozzle is required to set this rivet

La aplicacion de este remache necesita el uso de una boquilla especial



## STRUCTURAL FARBOLT RIVETS IN ZINC PLATED STEEL REMACHES ESTRUCTURALES FARBOLT DE ACERO CINCADO

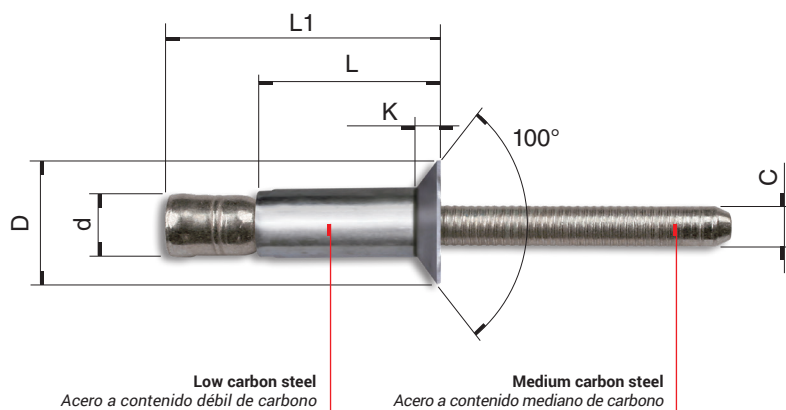
| d     | L    | D    | L1   | K     | C    | Code      |             |             |            |          |           |  |  |
|-------|------|------|------|-------|------|-----------|-------------|-------------|------------|----------|-----------|--|--|
| Inch  | Inch | Inch | Inch | Inch  | Inch | Código    | Inch        | min ÷ Max   | lbf        | lbf      |           |  |  |
| (mm)  | (mm) | (mm) | (mm) | (mm)  | (mm) |           | (mm)        | Inch mm     | (N)        | (N)      |           |  |  |
| 3/16" | .433 | 11   | .394 | .748  | 19   | 527481103 | .193 ÷ .201 | .063 ÷ .272 | 1.6 ÷ 6.9  | 899      | 1349      |  |  |
| (4.8) | .551 | 14   | (10) | .945  | 24   | 527481403 | (4.9 ÷ 5.1) | .063 ÷ .437 | 1.6 ÷ 11.1 | (4000 N) | (6000 N)  |  |  |
| 1/4"  | .591 | 15   | .512 | .965  | 24.5 | 527641503 | .260 ÷ .276 | .079 ÷ .394 | 2 ÷ 10     | 1641     | 2698      |  |  |
| (6.4) | .787 | 20   | (13) | 1.358 | 34.5 | 527642003 | (6.6 ÷ 7)   | .079 ÷ .630 | 2 ÷ 16     | (7300 N) | (12000 N) |  |  |

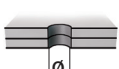
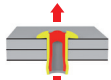
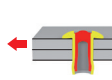
> Tests performed according to UNI EN ISO 14589 > Pruebas llevadas a cabo según UNI EN ISO 14589

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

# STRUCTURAL FARBOLT RIVETS IN ZINC PLATED STEEL WITH COUNTERSUNK HEAD

REMACHES ESTRUCTURALES FARBOLT DE ACERO CINCADO,  
CABEZA AVELLANADA

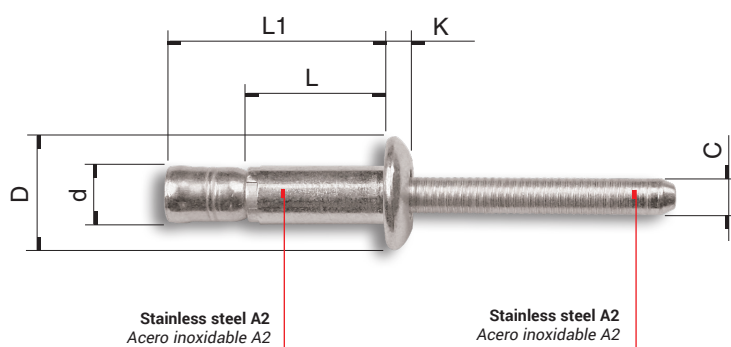


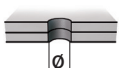
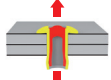
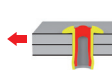
| d<br>Inch<br>(mm) | L<br>Inch<br>(mm) | D<br>Inch<br>(mm) | L1<br>Inch<br>(mm) | K<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código         | <br>Inch<br>(mm) | min ÷ Max<br>Inch<br>mm   | <br>lbf<br>(N) | <br>lbf<br>(N) |
|-------------------|-------------------|-------------------|--------------------|-------------------|-------------------|------------------------|---------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 3/16"<br>(4.8)    | .512<br>13        | .335<br>(8.5)     | .827<br>21         | .079<br>(2)       | .118<br>(3)       | 528481303<br>528481603 | .193 ÷ .201<br>(4.9 ÷ 5.1)                                                                        | .126 ÷ .331<br>3,2 ÷ 8,4  | 899<br>(4000 N)                                                                                   | 1349<br>(6000 N)                                                                                  |
| 1/4"<br>(6.4)     | .669<br>17        | .394<br>(10)      | 1.063<br>27        | .087<br>(2.2)     | .157<br>(4)       | 528641703              | .260 ÷ .276<br>(6.6 ÷ 7)                                                                          | .126 ÷ .492<br>3,2 ÷ 12,5 | 1641<br>(7300 N)                                                                                  | 2698<br>(12000 N)                                                                                 |

> Tests performed according to UNI EN ISO 14589 > Pruebas llevadas a cabo según UNI EN ISO 14589  
> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

# STAINLESS STEEL STRUCTURAL FARBOLT RIVETS

REMACHES ESTRUCTURALES FARBOLT DE ACERO INOXIDABLE



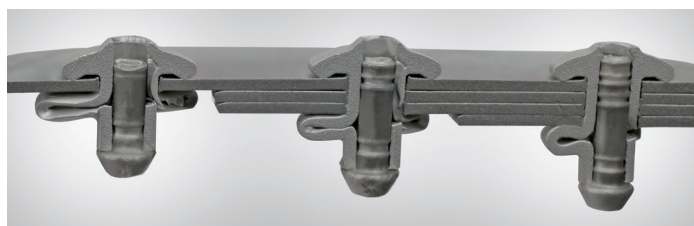
| d<br>Inch<br>(mm) | L<br>Inch<br>(mm) | D<br>Inch<br>(mm) | L1<br>Inch<br>(mm) | K<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código         | <br>Inch<br>(mm) | min ÷ Max<br>Inch<br>mm  | <br>lbf<br>(N) | <br>lbf<br>(N) |
|-------------------|-------------------|-------------------|--------------------|-------------------|-------------------|------------------------|-----------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 3/16"<br>(4.8)    | .433<br>11        | .394<br>(10)      | .748<br>19         | .079<br>(2)       | .118<br>(3)       | 514481103<br>514481403 | .193 ÷ .201<br>(4.9 ÷ 5.1)                                                                          | .063 ÷ .272<br>1.6 ÷ 6.9 | 944<br>(4200 N)                                                                                     | 1573<br>(7000 N)                                                                                    |
| 1/4"<br>(6.4)     | .591<br>15        | .512<br>(13)      | .965<br>24,5       | .102<br>(2.6)     | .157<br>(4)       | 514641503<br>514642003 | .260 ÷ .276<br>(6.6 ÷ 7)                                                                            | .079 ÷ .394<br>2 ÷ 10    | 1843<br>(8200 N)                                                                                    | 2810<br>(12500 N)                                                                                   |

> Tests performed according to UNI EN ISO 14589 > Pruebas llevadas a cabo según UNI EN ISO 14589  
> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

Rivet manufactured entirely in aluminium. Its particular shape, together with the presence of the portion of spindle along the entire rivet body, allows the use on soft and/or fragile materials, such as plastic, composites and aluminium even on thin thickness, which requires high mechanical strength. Fields of application: photovoltaic systems, plastic assemblies in the automotive industry, construction industry and shipbuilding.

*Remache fabricado completamente de aluminio. Debido a su forma particular y a la presencia de la porción del mandril en toda la longitud del casquillo, se adapta a diferentes materiales blandos y/o frágiles como plásticos, compuestos y aluminio con espesores delgados, que requieren alta resistencia mecánica. Aplicación: instalaciones fotovoltaicas, ensamblajes plasticos para la automoción, sector de la edificación y naval.*

"S-TRIFAR" - "X-TRIFAR" RIVETS  
REMACHES "S-TRIFAR" - "X-TRIFAR"



S-TRIFAR

X-TRIFAR



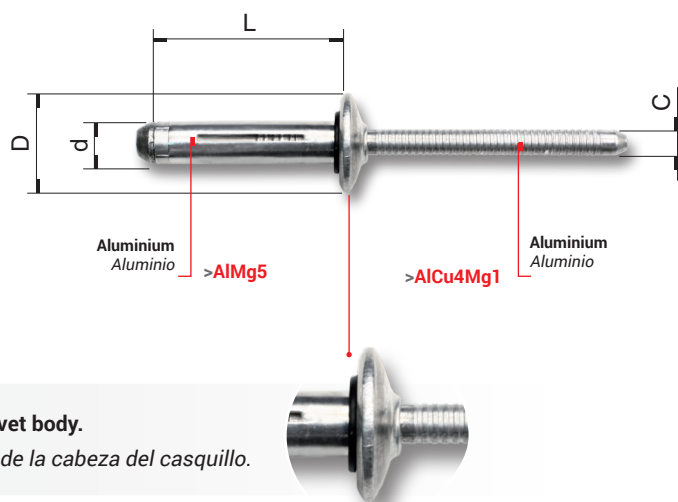
Kode / Código

71345652

**A special nozzle is required to set this rivet**

*La aplicación de este remache necesita el uso de una boquilla especial*

## “S-TRIFAR”



The rivet is supplied with a EPDM gasket housed under the head of the rivet body.

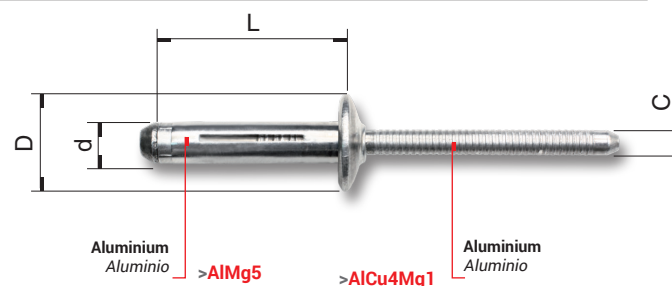
El remache es suministrado con una junta de neopreno colocada debajo de la cabeza del casquillo.

| d<br>Inch<br>(mm) | L<br>Inch<br>mm | D<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | Inch<br>(mm)  | min ÷ Max<br>Inch<br>mm  | lb f<br>(N)     | lb f<br>(N)     |
|-------------------|-----------------|-------------------|-------------------|----------------|---------------|--------------------------|-----------------|-----------------|
|                   | .689<br>17,5    |                   |                   | 574521703      |               | .039 ÷ .157<br>1 ÷ 4,0   | 607<br>(2700 N) |                 |
| .205<br>(5.2)     | .756<br>19,2    | .463<br>(11.75)   | .118<br>(3)       | 574521903      | .217<br>(5.5) | .059 ÷ .217<br>1,5 ÷ 5,5 | 450<br>(2000 N) | 674<br>(3000 N) |
|                   | .874<br>22,2    |                   |                   | 574522203      |               | .197 ÷ .335<br>5,0 ÷ 8,5 |                 | 674<br>(3000 N) |

> Tests performed according to UNI EN ISO 14589 > Pruebas llevadas a cabo según UNI EN ISO 14589

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios

## “X-TRIFAR”



> Available only on request. Minimum quantity: 30,000 pcs.

> Disponibles solo sobre pedido y para cantidades mínimas de 30.000 piezas.

| d<br>Inch<br>(mm) | L<br>Inch<br>mm | D<br>Inch<br>(mm) | C<br>Inch<br>(mm) | Code<br>Código | Inch<br>(mm)  | min ÷ Max<br>Inch<br>mm  | lb f<br>(N)     | lb f<br>(N)     |
|-------------------|-----------------|-------------------|-------------------|----------------|---------------|--------------------------|-----------------|-----------------|
|                   | .689<br>17,5    |                   |                   | 573521703      |               | .039 ÷ .157<br>1 ÷ 4     | 607<br>(2700 N) |                 |
| .205<br>(5.2)     | .756<br>19,2    | .463<br>(11.75)   | .118<br>(3)       | 573521903      | .217<br>(5.5) | .059 ÷ .217<br>1.5 ÷ 5.5 | 450<br>(2000 N) | 674<br>(3000 N) |
|                   | .874<br>22,2    |                   |                   | 573522203      |               | .197 ÷ .335<br>5 ÷ 8.5   |                 | 674<br>(3000 N) |

> Tests performed according to UNI EN ISO 14589 > Pruebas llevadas a cabo según UNI EN ISO 14589

> Resistance values may be subject to changes > Los valores de resistencia pueden estar sujetos a cambios



#### BLIND RIVET FOR HONEYCOMB PANELS AND THIN AND FRAGILE THICKNESSES

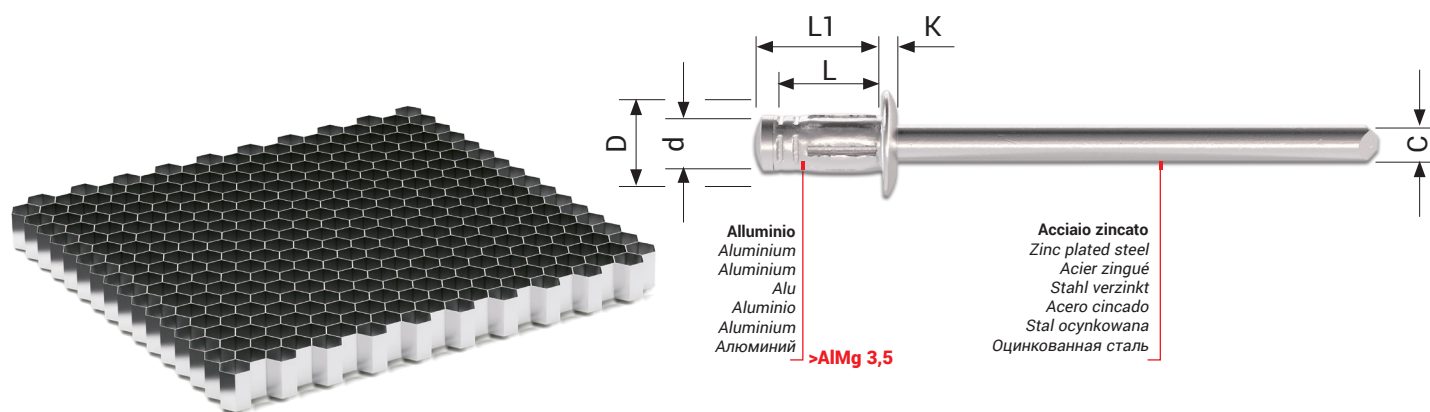
The ALV-IN blind rivet with large deformation ensures a larger contact surface (up to 335% more) compared to standard rivets of the same size. This improves the joint resistance. Furthermore, the aluminium body allows it to be used on soft and/or fragile materials such as plastics, composite materials and aluminium. This rivet has been designed with reduced dimensions to be used specifically on honeycomb panels without having to make through holes. In addition to standard sizes, the ALV-IN rivet can also be customized based on specific applications and needs.

#### REMACHE PARA SISTEMAS ALVEOLARES Y DE ESPESOR DELGADO Y FRÁGIL

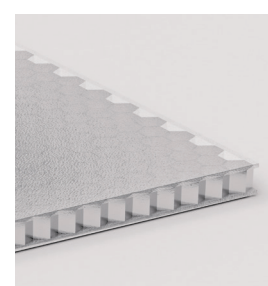
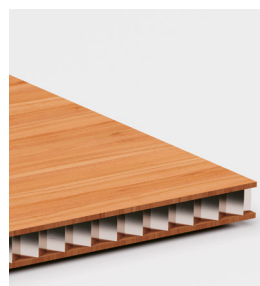
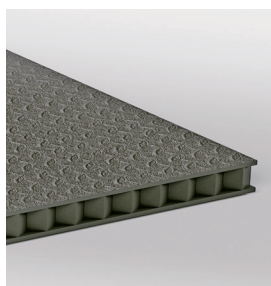
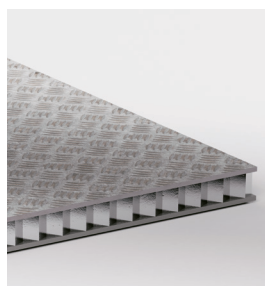
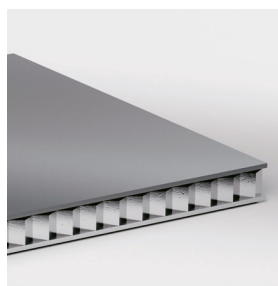
El remache "ALV-IN" de deformación amplia garantiza una mayor superficie de contacto (hasta un 335% más) respecto a remaches estándar del mismo tamaño. Esto mejora la fuerza de la ensambladura. Además, el casquillo de aluminio permite el uso en materiales blandos y/o frágiles como plásticos, materiales compuestos y aluminio. Este remache fue diseñado con dimensiones reducidas para un uso específico en paneles alveolares sin que se hagan agujeros pasantes. El remache ALV-IN, además de los tamaños estándar, se puede personalizar en función de aplicaciones y necesidades específicas.

"ALV-IN" rivets  
REMACHES "ALV-IN"





| d     | L    | D    | L1   | K    | C     | Code      |       |             |           |
|-------|------|------|------|------|-------|-----------|-------|-------------|-----------|
| Inch  | Inch | Inch | Inch | Inch | Inch  | Código    | Inch  | min ÷ Max   |           |
| (mm)  | (mm) | (mm) | (mm) | (mm) | (mm)  |           | (mm)  | Inch        | mm        |
| .173" | .315 | 8    | .382 | 9,7  | .051  | 596400803 |       | .020 ÷ .118 | 0,5 ÷ 3,0 |
| (4.4) | .433 | 11   | .516 | 13,1 | (1,3) | 596401103 | .177  | .118 ÷ .217 | 3,0 ÷ 5,5 |
|       | .531 | 13,5 | .622 | 15,8 |       | 596401303 | (4,5) | .217 ÷ .315 | 5,5 ÷ 8,0 |











## Riveting tools for blind rivets

REMACHADORAS PARA REMACHES

50



## Riveting tools for blind rivet nuts

REMACHADORAS PARA TUERCAS REMACHABLES

74



## Monitoring systems of the riveting process

SISTEMAS DE CONTROL DEL PROCESO DE REMACHADO

92

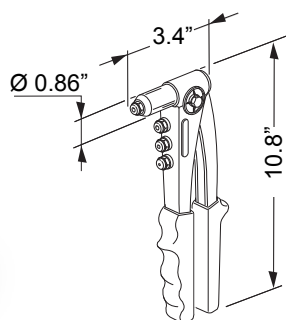


THE ITEMS OF THIS CATALOGUE ARE IN COMPLIANCE WITH TOOLS DIRECTIVE 2006/42/ CE.

LOS ARTICULOS MENCIONADOS EN EL PRESENTE CATÁLOGO SON CONFORMES CON LA DIRECTIVA MÁQUINAS 2006/42/CE.

## K39

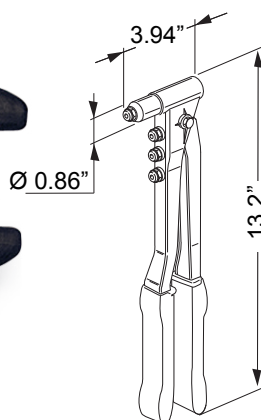
COD. 700039


 lb. 1,2 (gr. 550)

| Ø Inch (mm)   | Standard | Multifar |
|---------------|----------|----------|
| 3/32" ( 2,4 ) |          |          |
| .118 ( 3 )    |          |          |
| 1/8" ( 3,2 )  |          |          |
| .133 ( 3,4 )  |          |          |
| 5/32" ( 4 )   |          |          |
| 3/16" ( 4,8 ) |          | A        |
| .205 ( 5,2 )  |          |          |
| .236 ( 6 )    |          |          |
| 1/4" ( 6,4 )  |          |          |
| .307 ( 7,8 )  |          |          |

## K14

COD. 700014


 lb. 2,2 (gr. 1.000)

| Ø Inch (mm)   | Standard | Multifar |
|---------------|----------|----------|
| 3/32" ( 2,4 ) |          |          |
| .118 ( 3 )    |          |          |
| 1/8" ( 3,2 )  |          |          |
| .133 ( 3,4 )  |          |          |
| 5/32" ( 4 )   |          |          |
| 3/16" ( 4,8 ) |          | A        |
| .205 ( 5,2 )  |          |          |
| .236 ( 6 )    |          |          |
| 1/4" ( 6,4 )  |          |          |
| .307 ( 7,8 )  |          |          |

A Al / Cu

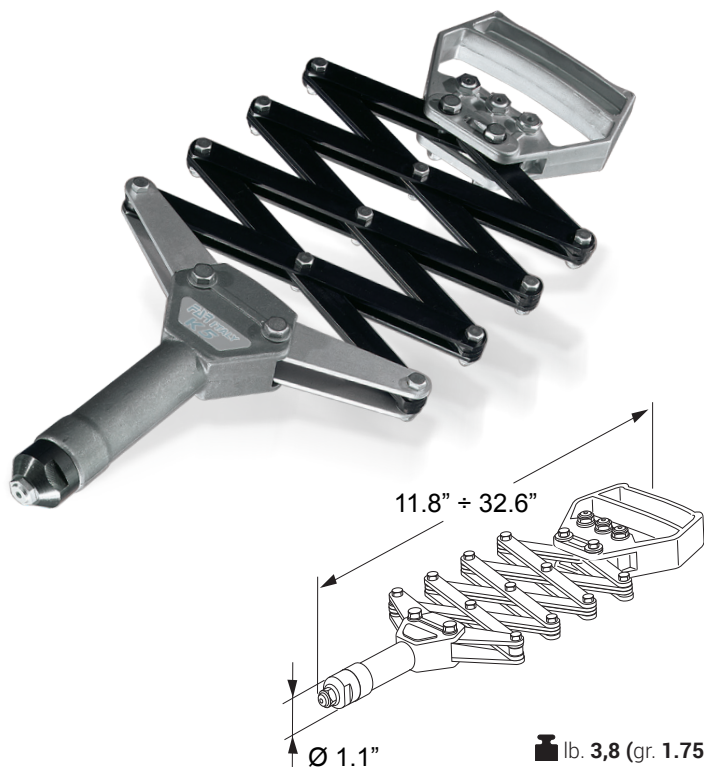
S Fe

I Aisi304 / Aisi316

I+S+A

## K5/96

COD. 700005096



| Ø Inch (mm) | Standard | Multifar | MultInox | Tamp | X/S TRIFAR |
|-------------|----------|----------|----------|------|------------|
| 3/32" (2,4) |          |          |          |      |            |
| .118 (3)    |          |          |          |      |            |
| 1/8" (3,2)  |          |          |          |      |            |
| .133 (3,4)  |          |          |          |      |            |
| 5/32" (4)   |          |          |          |      |            |
| 3/16" (4,8) |          |          |          |      |            |
| .205 (5,2)  |          |          |          |      | *          |
| .236 (6)    |          |          |          |      |            |
| 1/4" (6,4)  |          |          |          |      |            |
| .307 (7,8)  |          |          |          |      |            |

**\* X/S TRIFAR**  
COD. 71345652



• See page 67 / Ver página 67

## K25

COD. 700025



| Ø Inch (mm) | Standard | Multifar | MultInox | Tamp | X/S TRIFAR |
|-------------|----------|----------|----------|------|------------|
| 3/32" (2,4) |          |          |          |      |            |
| .118 (3)    |          |          |          |      |            |
| 1/8" (3,2)  |          |          |          |      |            |
| .133 (3,4)  |          |          |          |      |            |
| 5/32" (4)   |          |          |          |      |            |
| 3/16" (4,8) |          |          |          |      |            |
| .205 (5,2)  |          |          |          |      | *          |
| .236 (6)    |          |          |          |      |            |
| 1/4" (6,4)  |          |          |          |      |            |
| .307 (7,8)  | A        |          |          |      |            |

**\* X/S TRIFAR**  
COD. 71345652



• See page 67 / Ver página 67

**A** Al / Cu

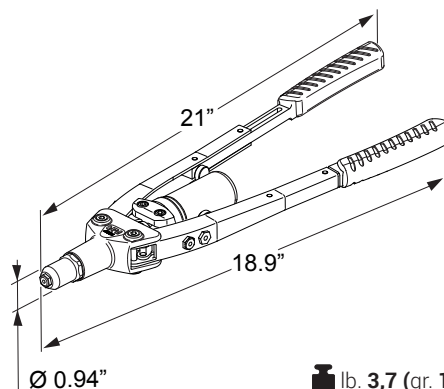
**S** Fe

**I** Aisi304 / Aisi316

I+S+A

**K33F**

COD. 700033F


**lb. 3,7 (gr. 1.700)**

| Ø Inch (mm)   | Standard | Multifar | Multinox | Tamp | Tamp AP | Farbolt | X/S TRIFAR |
|---------------|----------|----------|----------|------|---------|---------|------------|
| 3/32" ( 2,4 ) |          |          |          |      |         |         |            |
| .118 ( 3 )    |          |          |          |      |         |         |            |
| 1/8" ( 3,2 )  |          |          |          |      |         |         |            |
| .133 ( 3,4 )  |          |          |          |      |         |         |            |
| 5/32" ( 4 )   |          |          |          |      |         |         |            |
| 3/16" ( 4,8 ) |          |          |          |      |         |         |            |
| .205 ( 5,2 )  |          |          |          |      |         |         |            |
| .236 ( 6 )    |          |          |          |      |         |         |            |
| 1/4" ( 6,4 )  |          |          |          |      |         |         |            |
| .307 ( 7,8 )  |          |          |          |      |         |         |            |

**Mod. EXTRA K39**

COD. 705063



- Case containing assorted aluminium rivets Ø .118 ÷ 3/16" (3 ÷ 4,8).
- Embalaje contenente remaches surtidos diámetro .118 ÷ 3/16" (3 ÷ 4,8) de aluminio.

**A**

Al / Cu

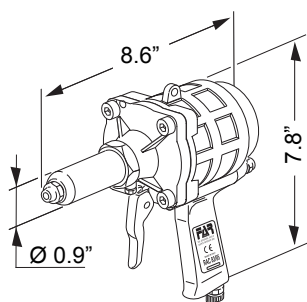
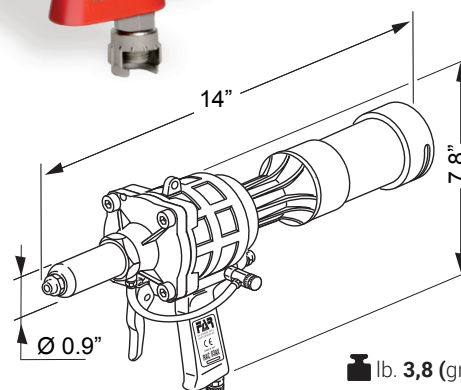
**S**

Fe

**I**

Aisi304 / Aisi316

I+S+A

**RAC 83/95** COD. 700083,95

**lb. 3,3 (gr. 1.500)**
**RAC 83/AX** COD. 70AX83

**lb. 3,8 (gr. 1.740)**

- Pneumatic tool.
- Remachadora neumática.

- Pneumatic tool with rivet holding and nail recovery.
- Remachadora neumática con retención del remache y recuperación del vástago cortado.

Maximum force / Potencia máxima

1.207 lbf (5.372 N)

Stroke / Carrera

.74 in (19 mm)

| Ø Inch (mm) | Standard | Multifar | Multinox | Tamp | Tamp AP | Farbolt | X/S TRIFAR |
|-------------|----------|----------|----------|------|---------|---------|------------|
| 3/32" (2,4) |          |          |          |      |         |         |            |
| .118 (3)    |          |          |          |      |         |         |            |
| 1/8" (3,2)  |          |          |          |      |         |         |            |
| .133 (3,4)  |          |          |          |      |         |         |            |
| 5/32" (4)   |          | A S      |          |      |         |         |            |
| 3/16" (4,8) | A        |          |          |      |         |         |            |
| .205 (5,2)  |          |          |          |      |         |         |            |
| .236 (6)    |          |          |          |      |         |         |            |
| 1/4" (6,4)  |          |          |          |      |         |         |            |
| .307 (7,8)  |          |          |          |      |         |         |            |

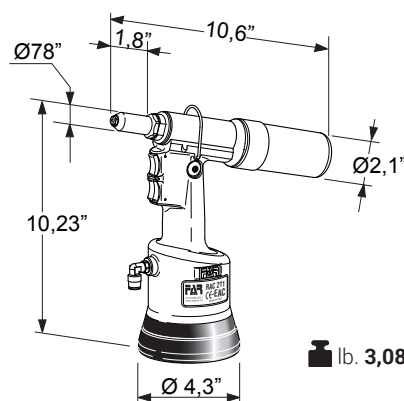
**A** Al / Cu    **S** Fe    **I** Aisi304 / Aisi316    I+S+A

# RAC 211

COD. 700211



- Hydropneumatic tool with holding of the rivet and nail recovery.
- Remachadora oleoneumática con retención del remache y recuperación del vástago cortado.


**lb. 3,08 (gr. 1.400)**

Maximum force / Potencia maxima

**1.483 lbf (6.639 N)**

Stroke / Carrera

**.62 in (16 mm)**

| Ø Inch (mm) | Standard | Multifar   | Multinox | Tamp | Tamp AP | Farbolt | X/S TRIFAR |
|-------------|----------|------------|----------|------|---------|---------|------------|
| 3/32" (2,4) |          |            |          |      |         |         |            |
| .118 (3)    |          |            |          |      |         |         |            |
| 1/8" (3,2)  |          |            |          |      |         |         |            |
| .133 (3,4)  |          |            |          |      |         |         |            |
| 5/32" (4)   |          | <b>A S</b> |          |      |         |         |            |
| 3/16" (4,8) | <b>A</b> |            |          |      |         |         |            |
| .205 (5,2)  |          |            |          |      |         |         |            |
| .236 (6)    |          |            |          |      |         |         |            |
| 1/4" (6,4)  |          |            |          |      |         |         |            |
| .307 (7,8)  |          |            |          |      |         |         |            |

**A** Al / Cu

**S** Fe

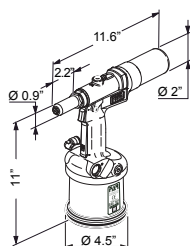
**I** Aisi304 / Aisi316

**I+S+A**



## RAC 182 A

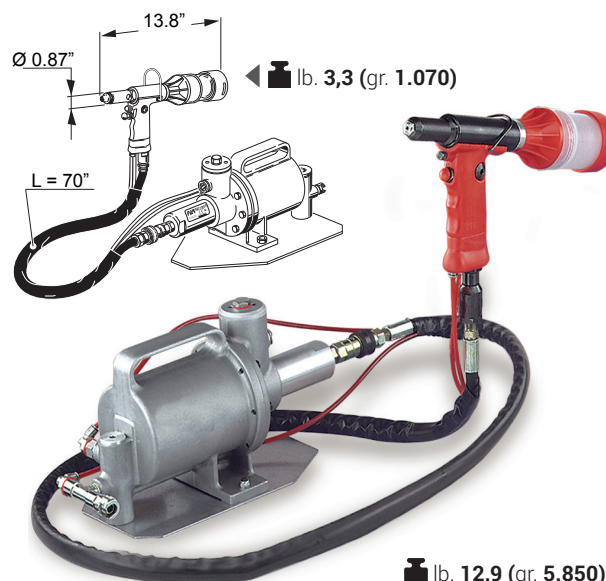
COD. 700182A



lb. 3,75 (gr. 1.700)

## RAC 2200 A

COD. 702200A



lb. 12,9 (gr. 5.850)

- Hydropneumatic tool with holding of the rivet and nail recovery.
- Remachadora oleoneumática con retención del remache y recuperación del vástago cortado.

- Hydropneumatic tools with booster power apart. Particularly suitable for assembly line.
- Remachadora oleoneumática; booster de potencia separado del cuerpo de la remachadora. Adecuadas de manera particular para empleos en cadena de montaje.

- **Minimum quantity on request: 3 pieces**
- **Cantidad mínima sobre pedido: 3 piezas**

**RAC 182 A      RAC 2200 A**

Maximum force / Potencia máxima

2.360 lbf (10.500 N)    2.883 lbf (12.825 N)

Stroke / Carrera

.80 in (20,5 mm)    .88 in (22,5 mm)

| Ø Inch (mm) | Standard | Multifar | Multinox | Tamp | Tamp AP | Farbolt | X/S TRIFAR |
|-------------|----------|----------|----------|------|---------|---------|------------|
| 3/32" (2,4) |          |          |          |      |         |         |            |
| .118 (3)    |          |          |          |      |         |         |            |
| 1/8" (3,2)  |          |          |          |      |         |         |            |
| .133 (3,4)  |          |          |          |      |         |         |            |
| 5/32" (4)   |          |          |          |      |         |         |            |
| 3/16" (4,8) |          |          |          |      |         | KIT     |            |
| .205 (5,2)  |          |          |          |      |         |         | *          |
| .236 (6)    | <b>A</b> |          |          |      |         |         |            |
| 1/4" (6,4)  |          |          |          |      |         |         |            |
| .307 (7,8)  |          |          |          |      |         |         |            |

**KIT**  
COD. 74000090

**KIT FOR STRUCTURAL RIVETS**  
Juego para remaches estructurales

**\* X/S TRIFAR**  
COD. 71345652


- See page 67 / Ver página 67

**A** Al / Cu

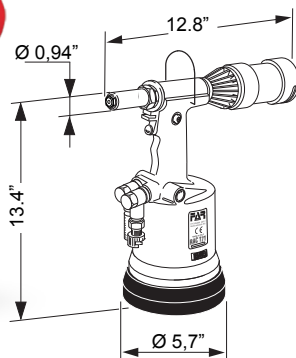
**S** Fe

**I** Aisi304 / Aisi316

**I+S+A**

## RAC 171

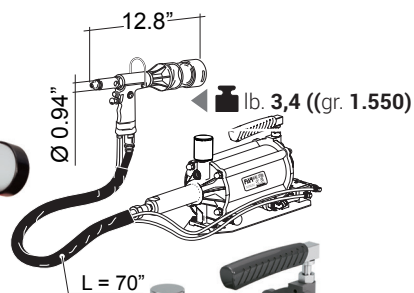
COD. 700171


**lb. 6,39 (gr 2.900)**

- Hydropneumatic tool with holding of the rivet and nail recovery.
- Remachadora oleoneumática con retención del remache y recuperación del vástago cortado.

## RAC 3100

COD. 703100


**lb. 20,3 (gr. 9.200)**

- Hydropneumatic tools with booster power apart. Particularly suitable for assembly line.
- Remachadora oleoneumática; booster de potencia separado dal cuerpo de la remachadora. Adecuadas de manera particular para empleos en cadena de montaje.

### RAC 171

### RAC 3100

|                                 |                      |                      |
|---------------------------------|----------------------|----------------------|
| Maximum force / Potencia maxima | 3.866 lbf (17.273 N) | 4.860 lbf (21.620 N) |
| Stroke / Carrera                | 1 in (25,5 mm)       | 1.10 in (28 mm)      |

| Ø Inch (mm) | Standard  | Multifar | Multinox | Tamp | Tamp AP | Farbolt | X/S TRIFAR |
|-------------|-----------|----------|----------|------|---------|---------|------------|
| 3/32" (2,4) |           |          |          |      |         |         |            |
| .118 (3)    |           |          |          |      |         |         |            |
| 1/8" (3,2)  |           |          |          |      |         |         |            |
| .133 (3,4)  |           |          |          |      |         |         |            |
| 5/32" (4)   |           |          |          |      |         |         |            |
| 3/16" (4,8) | <b>SI</b> |          |          |      |         |         |            |
| .205 (5,2)  |           |          |          |      |         |         | *          |
| .236 (6)    |           |          |          |      |         |         |            |
| 1/4" (6,4)  |           |          |          |      |         |         |            |
| .307 (7,8)  | <b>A</b>  |          |          |      |         |         |            |

**\* X/S TRIFAR**  
COD. 71345652



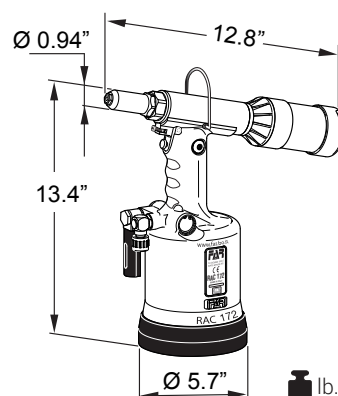
• See page 67 / Ver página 67

# RAC 172

COD.700172



- Hydropneumatic tool with holding of the rivet and nail recovery.
- Remachadora oleoneumática con retención del remache y recuperación del vástago cortado.



lb. 6,17 (gr. 2.800)

Maximum force / Potencia maxima

5.103 lbf (22.725 N)

Stroke / Carrera

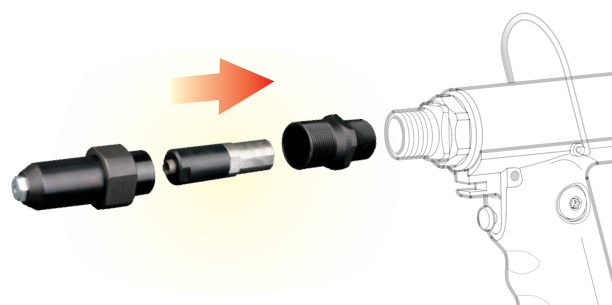
.76 in (19,5 mm)

| Ø Inch (mm)   | Standard | Multifar | Multinox | Tamp | Tamp AP | Farbolt | X/S TRIFAR |
|---------------|----------|----------|----------|------|---------|---------|------------|
| 3/32" ( 2,4 ) |          |          |          |      |         |         |            |
| .118 ( 3 )    |          |          |          |      |         |         |            |
| 1/8" ( 3,2 )  |          |          |          |      |         |         |            |
| .133 ( 3,4 )  |          |          |          |      |         |         |            |
| 5/32" ( 4 )   |          |          |          |      |         |         |            |
| 3/16" ( 4,8 ) |          |          |          |      |         |         |            |
| .205 ( 5,2 )  |          |          |          |      |         |         |            |
| .236 ( 6 )    |          |          |          |      |         |         |            |
| 1/4" ( 6,4 )  |          |          |          |      |         |         |            |
| .307 ( 7,8 )  |          |          |          |      |         |         |            |

Heads for INOX structural blind rivets Ø 7,8 mm

CABEZA POR REMACHES INOX ESTRUCTURALES Ø 7,8 MM

| Ø           | C                     | Code / Código |
|-------------|-----------------------|---------------|
| Inch (mm)   | Inch (mm)             |               |
| 5/16" (7,8) | .188 - .208 (4,8-5,3) | 72000191      |



A Al / Cu

S Fe

I Aisi304 / Aisi316

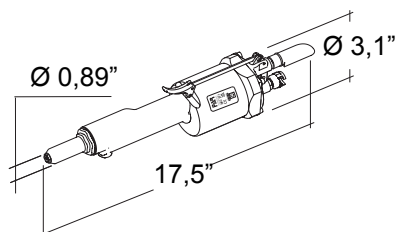
I+S+A

# RAC 231

COD. 700231



- Standing hydropneumatic tool with holding of the rivet.
- Remachadora oleoneumática vertical con retención del remache.


 lb. 3,65 (gr. 1.660)

|                                 |                   |
|---------------------------------|-------------------|
| Maximum force / Potencia maxima | 1.955 lbf (8.709) |
| Stroke / Carrera                | .61 in (15,5 mm)  |

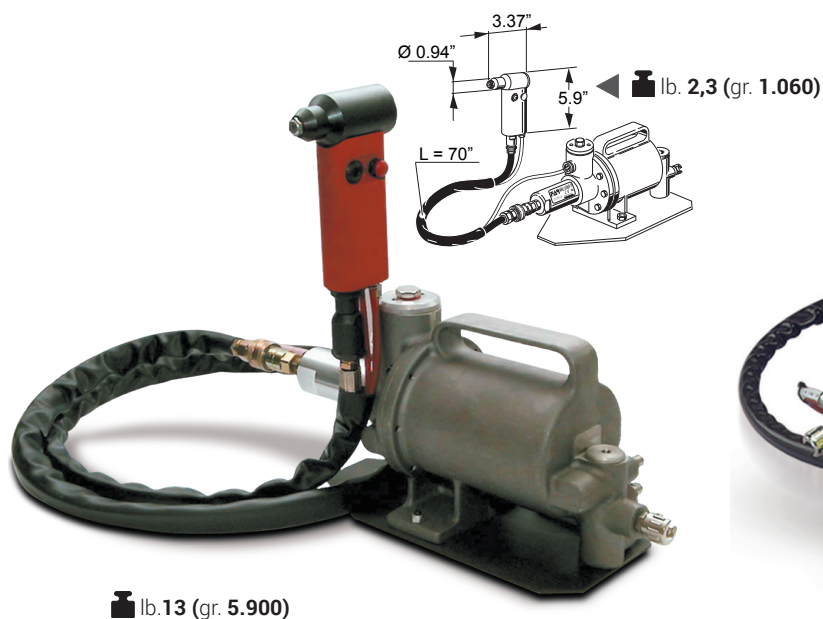
| Ø Inch (mm)   | Standard | Multifar | Multinox | Tamp | Tamp AP | Farbolt | X/S TRIFAR |
|---------------|----------|----------|----------|------|---------|---------|------------|
| 3/32" ( 2,4 ) |          |          |          |      |         |         |            |
| .118 ( 3 )    |          |          |          |      |         |         |            |
| 1/8" ( 3,2 )  |          |          |          |      |         |         |            |
| .133 ( 3,4 )  |          |          |          |      |         |         |            |
| 5/32" ( 4 )   |          |          |          |      |         |         |            |
| 3/16" ( 4,8 ) |          | A        |          |      |         | KIT     |            |
| .205 ( 5,2 )  |          |          |          |      |         |         |            |
| .236 ( 6 )    |          |          |          |      |         |         |            |
| 1/4" ( 6,4 )  |          |          |          |      |         |         |            |
| .307 ( 7,8 )  |          |          |          |      |         |         |            |

|                                             |                                                                                     |                                                              |                                                                                       |
|---------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>KIT</b><br><b>COD. 74000090</b>          | <b>KIT FOR STRUCTURAL RIVETS</b><br><i>Juego para remaches estructurales</i>        | <b>NAILS CONTAINER KIT</b><br><i>Kit contenedor vástagos</i> |  |
| <b>* X/S TRIFAR</b><br><b>COD. 71345652</b> |  |                                                              | <b>COD. 72000057</b>                                                                  |

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## RAC 2500 P

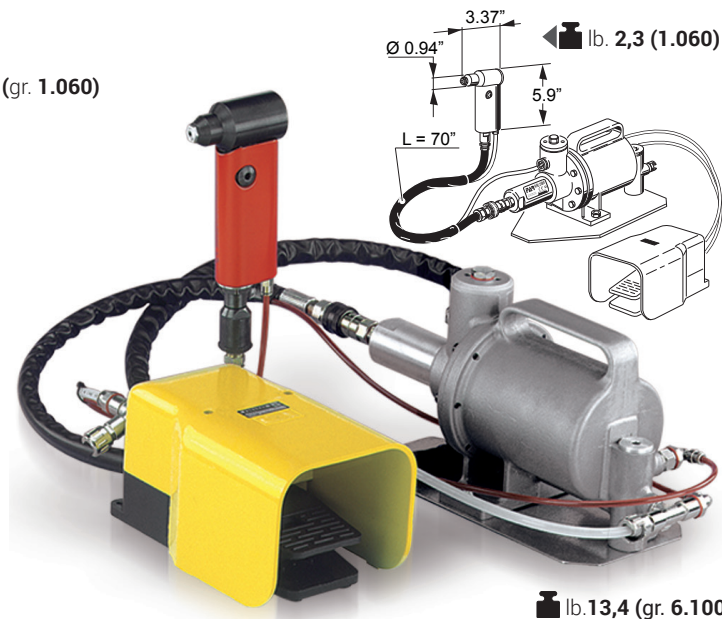
COD. 702500/1


**lb. 13 (gr. 5.900)**

- Hydropneumatic tool with reduced head and push-button control on the tool handgrip. Suitable for use in confined and narrow spaces.
- Remachadora oleoneumática con cabeza de limitadas dimensiones y mando a pulsador sobre la empuñadura de la remachadora. Apropriada al trabajo en espacios pequeños o incómodos.

## RAC 2500

COD. 702500


**lb. 13,4 (gr. 6.100)**

- Hydropneumatic tool with foot control lever.
- Remachadora oleoneumática con mando a pedal.

- > Available on request
- > Disponible sobre pedido

Maximum force / Potencia máxima

3.355 lbf (14.926 N)

Stroke / Carrera

.66 in (17 mm)

| Ø Inch (mm) | Standard | Multifar | Multinox | Tamp | Tamp AP | Farbolt | X/S TRIFAR |
|-------------|----------|----------|----------|------|---------|---------|------------|
| 3/32" (2,4) |          |          |          |      |         |         |            |
| .118 (3)    |          |          |          |      |         |         |            |
| 1/8" (3,2)  |          |          |          |      |         |         |            |
| .133 (3,4)  |          |          |          |      |         |         |            |
| 5/32" (4)   |          |          |          |      |         |         |            |
| 3/16" (4,8) |          |          |          |      |         |         |            |
| .205 (5,2)  |          |          |          |      |         |         |            |
| .236 (6)    | A        |          |          |      |         |         |            |
| 1/4" (6,4)  |          |          |          |      |         |         |            |
| .307 (7,8)  |          |          |          |      |         |         |            |

A Al / Cu

S Fe

I Aisi304 / Aisi316

I+S+A

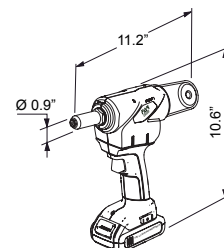
## EXTRA EB 500

COD. 705108



## EB 500

COD. 700500


**lb. 3,96 (gr. 1.800)**

- Plastic case containing 1 tool, 1 battery charger and 1 battery (Li-ION) 16 V 2Ah.
- Embalaje en plástico contenente 1 remachadora, 1 cargador de batería, 1 batería (Li-ION) 16V 2Ah

- Cardboard box containing 1 tool and 1 battery.
- Caja de cartón contenente 1 remachadora y 1 batería.

|                                 |                      |
|---------------------------------|----------------------|
| Maximum force / Potencia máxima | 2.248 lbf (10.000 N) |
| Stroke / Carrera                | .82 in (21 mm)       |

| Ø Inch (mm) | Standard | Multifar | Multinox | Tamp | Tamp AP | Farbolt | X/S TRIFAR |
|-------------|----------|----------|----------|------|---------|---------|------------|
| 3/32" (2,4) |          |          |          |      |         |         |            |
| .118 (3)    |          |          |          |      |         |         |            |
| 1/8" (3,2)  |          |          |          |      |         |         |            |
| .133 (3,4)  |          |          |          |      |         |         |            |
| 5/32" (4)   |          |          |          |      |         |         |            |
| 3/16" (4,8) |          |          |          |      |         | KIT     |            |
| .205 (5,2)  |          |          |          |      |         |         | *          |
| .236 (6)    |          |          |          |      |         |         |            |
| 1/4" (6,4)  |          |          |          |      |         |         |            |
| .307 (7,8)  |          |          |          |      |         |         |            |

|                                    |                                                                              |                                             |                                                                                       |
|------------------------------------|------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------------------|
| <b>KIT</b><br><b>COD. 74000090</b> | <b>KIT FOR STRUCTURAL RIVETS</b><br><i>Juego para remaches estructurales</i> | <b>* X/S TRIFAR</b><br><b>COD. 71345652</b> |  |
|------------------------------------|------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------------------|

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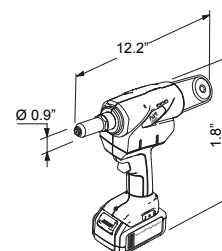
## EXTRA EB 640

COD. 705107



## EB 640

COD. 700640


**lb. 4,9 (gr. 2.250)**

- Valigetta di plastica completa di una rivettatrice, un caricabatterie, 1 batteria (Li - ION) 20V 4Ah
- Embalaje en plástico contenente 1 remachadora, 1 cargador de batería, 1 batería (Li-ION) 20V 4Ah

- Cardboard box containing 1 tool and 1 battery.
- Caja en cartón contenente 1 remachadora y 1 batería.

Maximum force / Potencia maxima

**4.496 lbf (20.000 N)**

Stroke / Carrera

**1.18 in (30 mm)**

| Ø Inch (mm)   | Standard  | Multifar | Multinox | Tamp | Tamp AP | Farbolt | X/S TRIFAR |
|---------------|-----------|----------|----------|------|---------|---------|------------|
| 3/32" ( 2,4 ) |           |          |          |      |         |         |            |
| .118 ( 3 )    |           |          |          |      |         |         |            |
| 1/8" ( 3,2 )  |           |          |          |      |         |         |            |
| .133 ( 3,4 )  |           |          |          |      |         |         |            |
| 5/32" ( 4 )   |           |          |          |      |         |         |            |
| 3/16" ( 4,8 ) | <b>SI</b> |          |          |      |         |         |            |
| .205 ( 5,2 )  |           |          |          |      |         |         | *          |
| .236 ( 6 )    |           |          |          |      |         |         |            |
| 1/4" ( 6,4 )  |           |          |          |      |         |         |            |
| .307 ( 7,8 )  | <b>A</b>  |          |          |      |         |         |            |

**\* X/S TRIFAR**  
COD. 71345652



- See page 67 / Ver página 67

**A** Al / Cu

**S** Fe

**I** Aisi304 / Aisi316

**I+S+A**

COD. 71C01678



- BATTERY Li-ION - 16V - 2Ah for riveting tools EB 500
- BATERÍA Li-ION - 16V - 2Ah para remachadoras EB 500

COD. 71C01677

- > AVAILABLE ON REQUEST
- > DISPONIBLE SOBRE PEDIDO



- BATTERY Li-ION - 16V - 4Ah for riveting tools EB 500
- BATERÍA Li-ION - 16V - 4Ah para remachadoras EB 500

COD. 71C01676



- BATTERY Li-ION - 20V - 4Ah for riveting tools EB 640
- BATERÍA Li-ION - 20V - 4Ah para remachadoras EB 640

COD. 71C01675



- BATTERY CHARGER - for riveting tools EB 500 / EB 640
- CARGADOR - para remachadoras EB 500 / EB 640

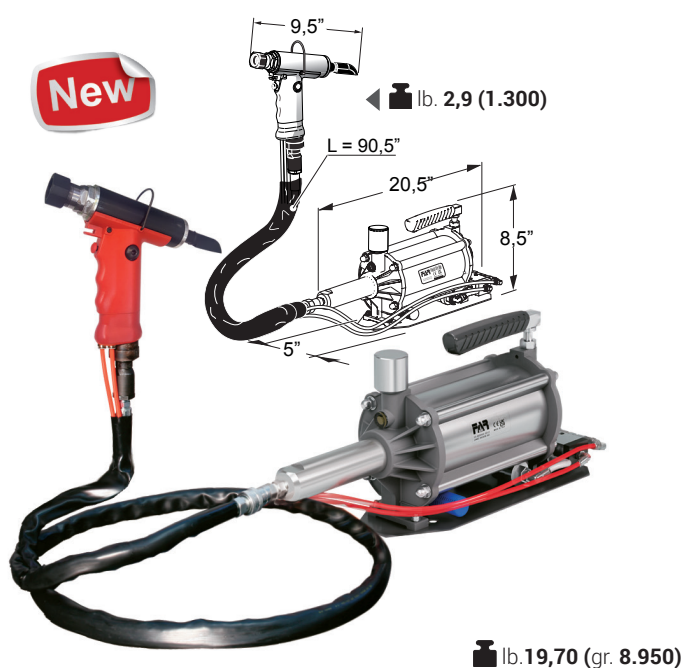
## FHU 05

COD. 70FHU05



## FHU 5100

COD. 70FHU5100



- Tool for installing lockbolts (pin&collar) and structural products, to be equipped with specific heads.
- Herramienta para la aplicación pernos y collar (pin&collar) y otros productos estructurales, para suministro con sus cabezas particulares.

- Hydropneumatic tools with booster power apart. Particularly suitable for assembly line.
- Remachadora oleoneumática; booster de potencia separado del cuerpo de la remachadora. Adecuadas de manera particular para empleos en cadena de montaje.

FHU 05

FHU 5100

Maximum force / Potencia maxima

5.103 lbf (22.725 N) 4.734 lbf (21.060 N)

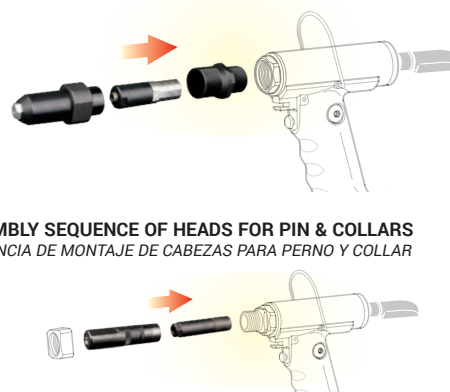
Stroke / Carrera

.76 in (19,5 mm) .94 in (24 mm)

### STRUCTURAL RIVETS / REMACHES ESTRUCTURALES

| Ø<br>Inch (mm) | C<br>Inch (mm)        | Code / Código                                |
|----------------|-----------------------|----------------------------------------------|
| 1/4" (6,4)     | .149 - .169 (3,8-4,3) | 720038<br>Only for / Sólo para <b>FHU 05</b> |
| 1/4" (6,4)     | .173 - .196 (4,4-5)   | 720037<br>Only for / Sólo para <b>FHU 05</b> |
| 5/16" (7,8)    | .188 - .208 (4,8-5,3) | 72000190                                     |

- HEADS FOR FHU 05 / FHU 5000 RIVETING TOOL
- CABEZAS PARA TRABAJOS CON REMACHADORA FHU 05 / FHU 5000



ASSEMBLY SEQUENCE OF HEADS FOR PIN & COLLARS  
SECUENCIA DE MONTAJE DE CABEZAS PARA PERNO Y COLLAR

**NAILS CONTAINER KIT**  
Kit contenedor vástagos



COD. 74000142

## ANGLE HEAD - CABEZA ANGULAR

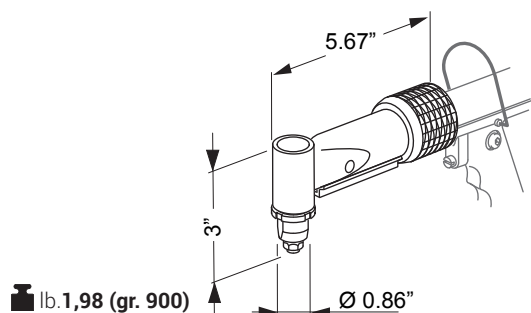
COD. 705023



- Special head suitable for use in confined and narrow spaces.  
It can be assembled on our tool RAC 180 - RAC 181 RAC 182.
- Cabeza especial para remachar en lugar incómodo o en posiciones angulares.  
Puede ser montada solamente sobre la remachadora RAC 180 - RAC 181 - RAC 182.

| Ø<br>Inch (mm) | Standard rivets<br>Remaches Standard | Multistage rivets<br>Remaches multi-espesor |
|----------------|--------------------------------------|---------------------------------------------|
| 3/32" (2.4)    | •                                    |                                             |
| .118 (3)       | •                                    |                                             |
| 1/8" (3.2)     | •                                    | •                                           |
| 5/32" (4)      | •                                    | •                                           |
| 3/16" (4.8)    | •*                                   |                                             |

\* except Inox / con exclusión de acero inoxidable





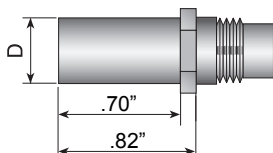
## EXTENDED NOZZLES

### BOQUILLAS ALARGADAS

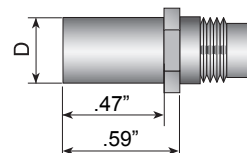
- Suitable for rivets with long nail. Please specify the tool model used.
- Apto para remaches con vástago largo.

Al cursar pedido especificar el modelo de remachadora empleada.

# U1



# U2



### RAC 210 - RAC 211 - K1 - ANGLE HEAD / CABEZA ANGULAR

| Code<br>Código | D<br>Inch<br>(mm) | Nozzle for rivet<br>Boquilla para remache<br>Ø<br>Inch<br>(mm) |
|----------------|-------------------|----------------------------------------------------------------|
| 719016         | .275<br>(7)       | .098 ÷ .125<br>(2,5 ÷ 3,2)                                     |
| 719017         | .275<br>(7)       | .137 ÷ .157<br>(3,5 ÷ 4)                                       |
| 719018         | .295<br>(7,50)    | .196<br>(5)                                                    |

### RAC 210 - RAC 211 - K1 - ANGLE HEAD / CABEZA ANGULAR

| Code<br>Código | D<br>Inch<br>(mm) | Nozzle for rivet<br>Boquilla para remache<br>Ø<br>Inch<br>(mm) |
|----------------|-------------------|----------------------------------------------------------------|
| 719010         | .275<br>(7)       | .098 ÷ .125<br>(2,5 ÷ 3,2)                                     |
| 719011         | .275<br>(7)       | .137 ÷ .157<br>(3,5 ÷ 4)                                       |
| 719012 *       | .295<br>(7,50)    | .196<br>(5)                                                    |
| 719013 **      | .295<br>(7,50)    | .196<br>(5)                                                    |

\* Aluminium / aluminio

\*\* Steel only / sólo acero

### K5 - K14 - K25 - K39 - RAC 83 - RAC 180 - RAC 181 - RAC 182 - RAC 185 - RAC 230 - RAC 231 - RAC 2200 - EB 311 - EB 400 - EB 500

| Code<br>Código | D<br>Inch<br>(mm) | Nozzle for rivet<br>Boquilla para remache<br>Ø<br>Inch<br>(mm) |
|----------------|-------------------|----------------------------------------------------------------|
| 719007         | .275<br>(7)       | .098 ÷ .125<br>(2,5 ÷ 3,2)                                     |
| 719001         | .275<br>(7)       | .137 ÷ .157<br>(3,5 ÷ 4)                                       |
| 719002         | .314<br>(8)       | .196<br>(5)                                                    |
| 719003         | .354<br>(9)       | .236 - .251 - .307<br>(6 - 6,40 - 7,80)                        |

| Code<br>Código | D<br>Inch<br>(mm) | Nozzle for rivet<br>Boquilla para remache<br>Ø<br>Inch<br>(mm) |
|----------------|-------------------|----------------------------------------------------------------|
| 719008         | .275<br>(7)       | .098 ÷ .125<br>(2,5 ÷ 3,2)                                     |
| 719004         | .275<br>(7)       | .137 ÷ .157<br>(3,5 ÷ 4)                                       |
| 719005         | .314<br>(8)       | .196<br>(5)                                                    |
| 719006         | .354<br>(9)       | .236 - .251 - .307<br>(6 - 6,40 - 7,80)                        |

### RAC 171 - RAC 3000

| Code<br>Código | D<br>Inch<br>(mm) | Nozzle for rivet<br>Boquilla para remache<br>Ø<br>Inch<br>(mm) |
|----------------|-------------------|----------------------------------------------------------------|
| 719002         | .314<br>(8)       | .196<br>(5)                                                    |
| 719003         | .354<br>(9)       | .236 - .251 - .307<br>(6 - 6,40 - 7,80)                        |

### RAC 171 - RAC 3000

| Code<br>Código | D<br>Inch<br>(mm) | Nozzle for rivet<br>Boquilla para remache<br>Ø<br>Inch<br>(mm) |
|----------------|-------------------|----------------------------------------------------------------|
| 719005         | .314<br>(8)       | .196<br>(5)                                                    |
| 719006         | .354<br>(9)       | .236 - .251 - .307<br>(6 - 6,40 - 7,80)                        |

### EB 640- RAC 3100

| Code<br>Código | D<br>Inch<br>(mm) | Nozzle for rivet<br>Boquilla para remache<br>Ø<br>Inch<br>(mm) |
|----------------|-------------------|----------------------------------------------------------------|
| 719019         | .314<br>(8)       | .196<br>(5)                                                    |
| 719021         | .354<br>(9)       | .236 - .251<br>(6 - 6,40)                                      |
| 719024         | .354(9)           | .307<br>(7,80)                                                 |

### EB 640- RAC 3100

| Code<br>Código | D<br>Inch<br>(mm) | Nozzle for rivet<br>Boquilla para remache<br>Ø<br>Inch<br>(mm) |
|----------------|-------------------|----------------------------------------------------------------|
| 719020         | .314<br>(8)       | .196<br>(5)                                                    |
| 719022         | .354<br>(9)       | .236 - .251<br>(6 - 6,40)                                      |
| 719023         | .354(9)           | .307<br>(7,80)                                                 |

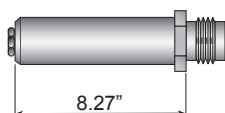
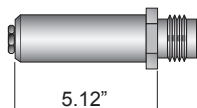
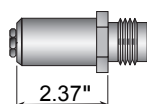


## EXTENDED HEADS

### CABEZAS ALARGADAS



2.37" (60)  
for tools / para  
remachadoras



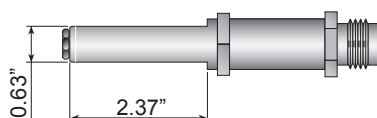
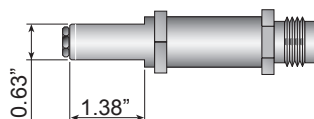
| Code<br>Código | Inch (mm)<br><b>2.37" (60)</b><br>for tools / para remachadoras |
|----------------|-----------------------------------------------------------------|
| 723097         | EB 311                                                          |

| Code<br>Código | Inch (mm)<br><b>5.12" (130)</b><br>for tools / para remachadoras |
|----------------|------------------------------------------------------------------|
| 721314         | RAC 230 - RAC 231 - RAC 180 - RAC 181 - RAC 182 - RAC 2200       |
| 721890         | RAC 210 - RAC 211                                                |
| 721334         | RAC 83/95 - RAC 83 AX                                            |
| 723358         | RAC 171 - RAC 3000                                               |
| 72A00211       | RAC 185                                                          |
| <b>723346</b>  | <b>EB 311</b>                                                    |

| Code<br>Código | Inch (mm)<br><b>8.27" (210)</b><br>for tools / para remachadoras |
|----------------|------------------------------------------------------------------|
| 720973         | RAC 230 - RAC 231 - RAC 180 - RAC 181 - RAC 182 - RAC 2200       |
| 721333         | RAC 83/95 - RAC 83 AX                                            |
| 72A00210       | RAC 185                                                          |

## EXTENDED HEADS WITH REDUCED SECTION

### CABEZAS ALARGADAS DE SECCION REDUCIDA



| Code<br>Código | Inch (mm)<br><b>1.38" (35)</b><br>for tools / para remachadoras |
|----------------|-----------------------------------------------------------------|
| 72000552       | RAC 180 - RAC 181 - RAC 182 - RAC 2200                          |
| 720951 *       | RAC 83/95 - RAC 83 AX                                           |
| 72A00186*      | EB 311                                                          |

| Code<br>Código | Inch (mm)<br><b>2.37" (60)</b><br>for tools / para remachadoras |
|----------------|-----------------------------------------------------------------|
| 72000553       | RAC 180 - RAC 181 - RAC 182 - RAC 2200                          |
| 721856*        | RAC 83/95 - RAC 83 AX                                           |
| 72A00162*      | EB 311                                                          |



\* Ø 3/16" (4.8) aluminium only / sólo aluminio

| Ø<br>Inch (mm) | Standard rivets<br>Remaches Standard | Multistage rivets<br>Remaches multi-espesor |
|----------------|--------------------------------------|---------------------------------------------|
| 3/32" (2.4)    | •                                    |                                             |
| .118 (3)       | •                                    |                                             |
| 1/8" (3.2)     | •                                    | •                                           |
| 5/32" (4)      | •                                    | •                                           |
| 3/16" (4.8)    | •                                    |                                             |

|                                                                                     | Code<br>Código | Descrizione<br>Description                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 71345651       | NOZZLE FOR RIVETS S-TRIFAR / X-TRIFAR Ø 5,2 - Extended head with reduced section<br>INYEKTOR PARA REMACHES S-TRIFAR / X-TRIFAR Ø 5,2 - Cabeza alargada de seccion reducida<br> |

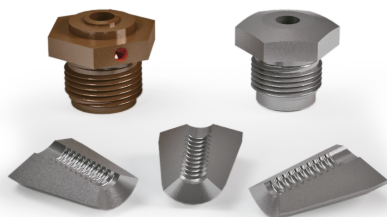


COD. 74000090

## KIT FOR STRUCTURAL RIVETS

JUEGO para remaches estructurales

**FARBOLT, MAGNA-LOK<sup>®</sup> e MONOBOLT<sup>®</sup> Ø 4,8 (3/16") \***



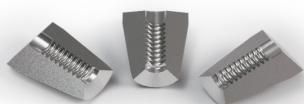
**For tool**

*Para remachadora*

RAC 182 - RAC 2200 - RAC 230 - RAC 231 - EB 500 - EB 640 - UBR - UBR-P

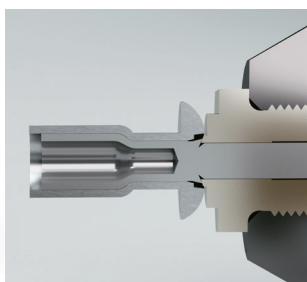
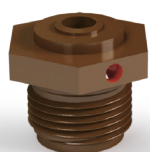
**Code**  
*Código*

**Composto da**  
*Contiene*



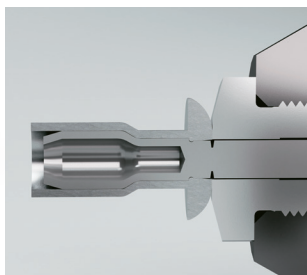
71345476

**Clamp for rivet pieces No. 3 / Borne para remache N. piezas 3**  
**FARBOLT, MAGNA-LOK<sup>®</sup> e MONOBOLT<sup>®</sup> Ø 4,8 (3/16") \***



717016

**Nozzle for rivet No. 1 / Inyector para remaches N. piezas 1**  
**FARBOLT, MONOBOLT<sup>®</sup> Ø 4,8 (3/16") \***



717018

**Nozzle for rivet No. 1 Inyector para remache N. piezas 1**  
**MAGNA-LOK<sup>®</sup> Ø 4,8 (3/16") \***

COD. 71345562

## KIT FOR STRUCTURAL RIVETS

JUEGO para remaches estructurales

**X-TRIFAR S-TRIFAR**



**For tool**

*Para remachadora*

K5/96 - K25 - RAC 182- RAC 171 - RAC 230 - RAC3000 - RAC3100  
EB 500 - EB 640

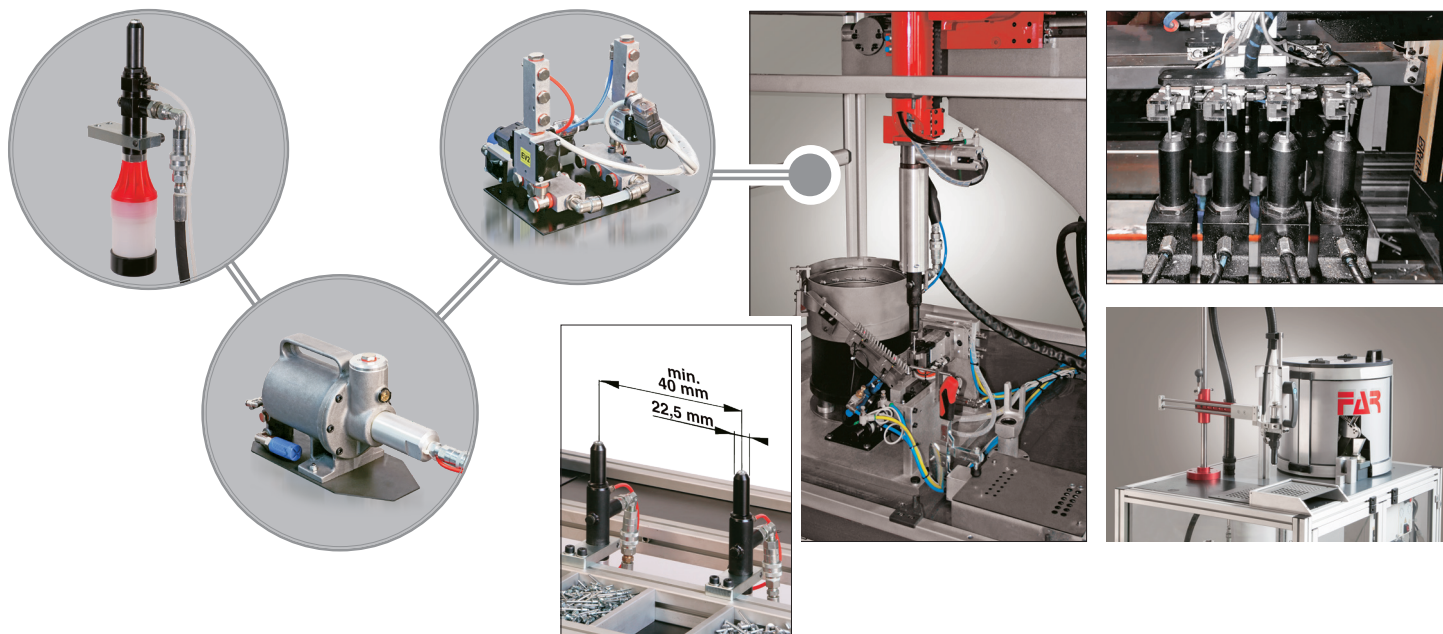
Nozzle for rivet No. 1 pcs. / Inyector para remaches N. piezas 1

\* MAGNA-LOK<sup>®</sup> e MONOBOLT<sup>®</sup> are registered trademarks of their respective owners. / MAGNA-LOK<sup>®</sup> y MONOBOLT<sup>®</sup> son marcas registradas a sus respectivos propietarios

# UBR

## MODULAR RIVETING SYSTEM

### SISTEMA DE REMACHADO MODULAR



|                                 |                      |
|---------------------------------|----------------------|
| Maximum force / Potencia maxima | 2.883 lbf (12.825 N) |
| Stroke / Carrera                | .88 in (22,5 mm)     |

The basic unit is a modular riveting system at various levels suitable for use in a variety of applications, from the simplest to the most complex. The system consists of a head suitable for the use of blind rivets, an hydro-dynamic booster and an electrical control unit and a single pneumatic system. The unit (s) can be designed for a manual loading of the rivets or served by an automatic feeding system. The heads can be positioned on a bench-work station or can be arranged to be moved by an automatic handling system (robot). Here are some application examples. More details on our website:

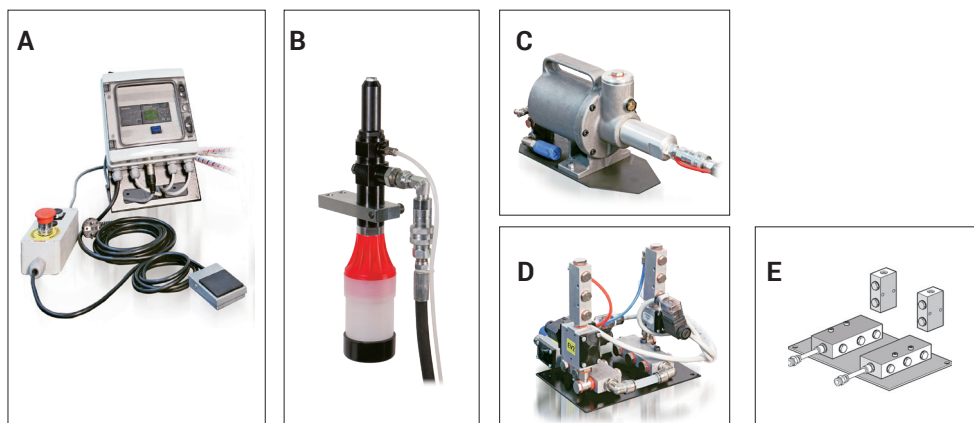
<https://www.far.bo.it/en/products/automation-and-special-machines.html>

La unidad base es un sistema de remachado componible y modular en varios niveles para su uso en una amplia gama de aplicaciones, desde las más simples hasta las más complejas. El sistema está compuesto por un cabezal apto para el uso de remaches, una unidad de accionamiento oleodinámica y una unidad eléctrica de control o por un único sistema neumático. La unidad o unidades se pueden diseñar para la carga manual del remache o para ser asistidas por un sistema de alimentación automática. Los cabezales se pueden instalar sobre una estación de trabajo o pueden prepararse para su incorporación a un sistema de desplazamiento automático (robot). A continuación, se presentan algunos ejemplos de aplicación. Más detalles en nuestro sitio web:

<https://www.far.bo.it/es/productos/automacion-y-equipos-especiales.html>

## Descrizione / Descripción

### Complete Main Unit (with 1 head) Unidad base completa (con 1 cabeza)



The standard equipment of the Main Unit consists of: an electrical panel with foot pedal (A), a head group (B), a booster group (C), a pneumatic group (D). The supplied pneumatic system (D) allows to control up to 5 units of riveting. From 6 up to 10 riveting units a supplementary pneumatic group (E) is required.

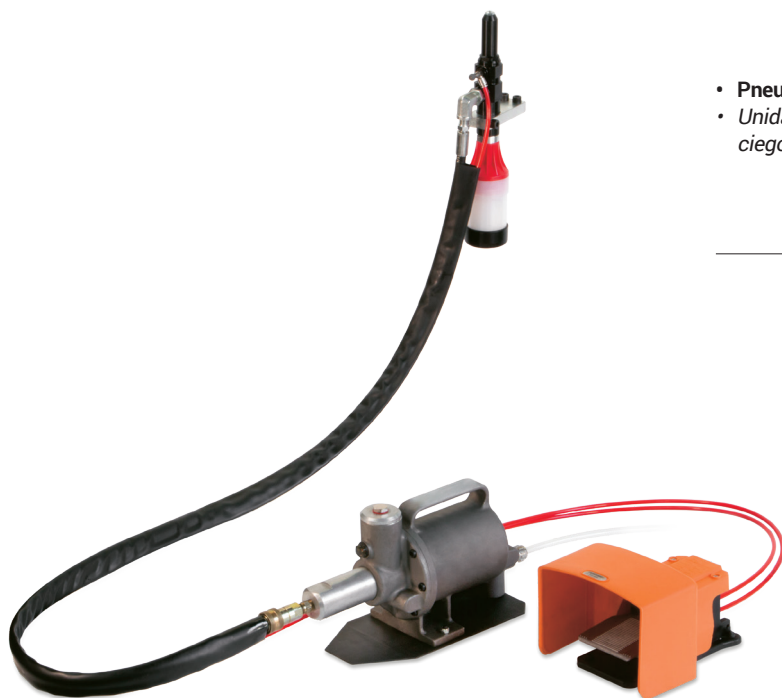
La unidad puede ser entregada con mando a pedal o a doble pulsador. La unidad base completa incluye en serie un panel eléctrico con pedal (A), un grupo cabeza (B), un grupo booster (C), un grupo neumático (D). El sistema neumático (D) suministrado permite controlar hasta 5 unidades de remachado. De 6 a 10 unidades de remachado tiene que añadir un grupo neumático adicional (E).

## Descrizione / Descripción

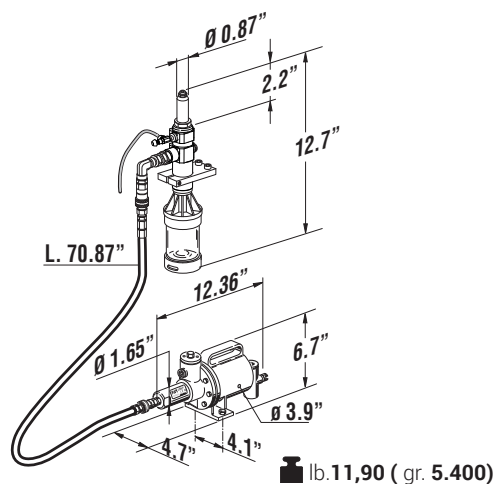
|                                                                                     |                                       |
|-------------------------------------------------------------------------------------|---------------------------------------|
|  | <b>Head group</b><br>Grupo cabeza     |
|  | <b>Booster group</b><br>Grupo booster |

**UBR-P**

COD. 700671



- **Pneumatic Main Unit for single riveting for blind rivets**
- *Unidad base neumática para remachados simples, para remaches ciegos*



- **For the use of one only riveting head (it excludes the possibility to control multiple heads), this version with pneumatic control is available.**
- *Para el uso de una sola cabeza para remachar (excluye la posibilidad de controlar más cabezas), está disponible la version con control neumático.*

Maximum force / Potencia maxima

2.883 lbf (12.825 N)

Stroke / Carrera

.88 in (22,5 mm)

| Ø Inch (mm)   | Standard | Multifar | Multinox | Tamp | Tamp AP | Farbolt | X/S TRIFAR |
|---------------|----------|----------|----------|------|---------|---------|------------|
| 3/32" ( 2,4 ) |          |          |          |      |         |         |            |
| .118 ( 3 )    |          |          |          |      |         |         |            |
| 1/8" ( 3,2 )  |          |          |          |      |         |         |            |
| .133 ( 3,4 )  |          |          |          |      |         |         |            |
| 5/32" ( 4 )   |          |          |          |      |         |         |            |
| 3/16" ( 4,8 ) |          |          |          |      |         | KIT     |            |
| .205 ( 5,2 )  |          |          |          |      |         |         | *          |
| .236 ( 6 )    | A        |          |          |      |         |         |            |
| 1/4" ( 6,4 )  |          |          |          |      |         |         |            |
| .307 ( 7,8 )  |          |          |          |      |         |         |            |

**A** Al / Cu  
**S** Fe  
**I** Aisi304 / Aisi316  
  I+S+A

**KIT**  
COD. 74000090

**KIT FOR STRUCTURAL RIVETS**  
*Juego para remaches estructurales*
**\* X/S TRIFAR**  
COD. 71345652


- See page 65 / Ver página 67

## POWER SUPPLY AND FASTENING OF BLIND RIVETS FOR AUTOMATIC AND SEMI-AUTOMATIC SYSTEMS

UNIDAD BASE Y SISTEMAS DE ALIMENTACION DE REMACHES CIEGOS PARA GRUPOS AUTOMATICOS Y SEMI-AUTOMATICOS



- Power supply system and installation of blind rivets for automatic riveting units. In order to better meet all sorts of needs, the units designed and manufactured by us are customized according to the specific requirements of the customers.

- Sistema de alimentación y remachado para grupos de automatización. Para satisfacer las necesidades más variadas, los grupos que diseñamos y producimos se personalizan según las necesidades específicas de los clientes.

More details on our website:

<https://www.far.bo.it/en/products/automation-and-special-machines.html>

Más detalles en nuestro sitio web:

<https://www.far.bo.it/es/productos/automacion-y-equipos-especiales.html>





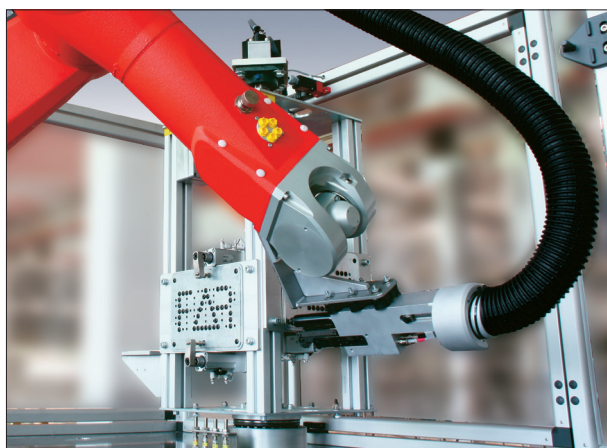
## AU250



- Automatic feed riveting machine designed for rivets  $\varnothing 1/8" \div 3/16"$  (all alloys) and  $\varnothing 3/16"$  (only in aluminium). The automatic feed riveting tool is equipped to place one size of rivet selected by customer. kits for other sizes can be supplied on request.

- Remachadora con alimentación automática del remache disponible para remaches desde  $\varnothing 1/8"$  a  $\varnothing 3/16"$  en todas las aleaciones y con  $\varnothing 3/16"$  mm solo en aluminio.

La máquina se abastece equipada por un solo diámetro de remache sobre pedido del cliente. Para el cambio de formato se suministrará el kit adecuado a la medida necesaria.

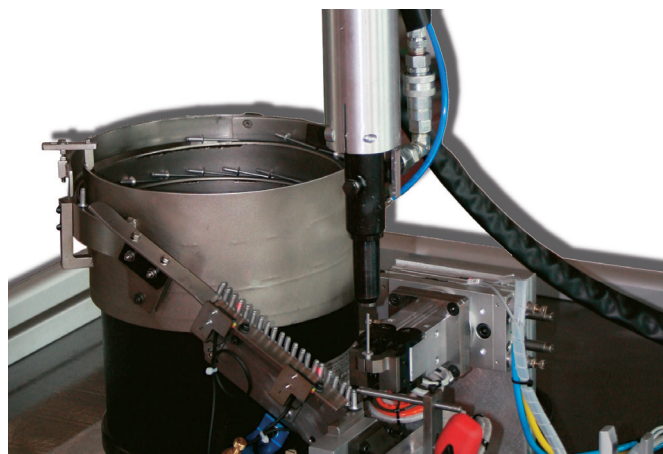
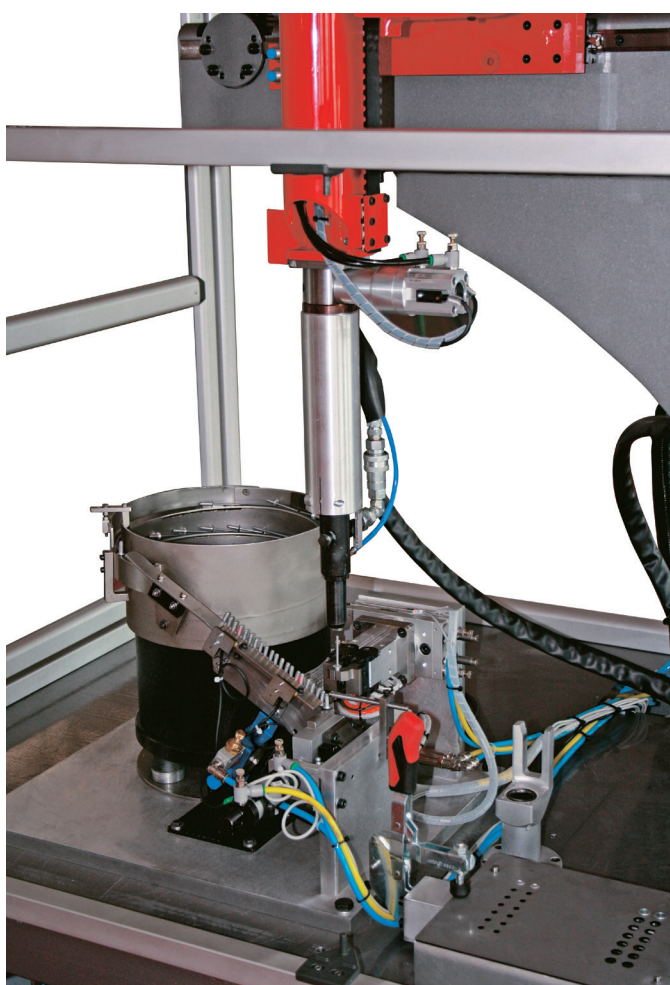


- Example of application of the tool AU 250 on a robotized system.
- Ejemplo de aplicación de la remachadora AU 250 sobre un sistema robotizado.



## POWER SUPPLY AND INSTALLATION OF BLIND RIVETS FOR ROBOTIC SYSTEMS

GRUPO DE ALIMENTACIÓN Y APLICACIÓN  
DE REMACHES PARA SISTEMAS ROBOTIZADOS



- Power supply system and installation of blind rivets for autofeeding riveting system.  
In order to meet the most different needs, the units we design and produce are personalized in comply with specific customers' needs
- Sistema de alimentación y aplicación de remaches ciegos para grupos de remachado automático.  
A fin de satisfacer las más diversas exigencias, diseñamos y fabricamos grupos personalizados en función de las exigencias específicas del cliente.

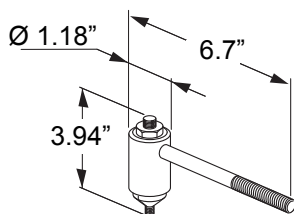
More details on our website:

<https://www.far.bo.it/en/products/automation-and-special-machines.html>

Más detalles en nuestro sitio web:

<https://www.far.bo.it/es/productos/automacion-y-equipos-especiales.html>

## KJ15



lb.0,88 ( gr. 400)

- Hand tool moved by a monodimensional key suitable to be used in narrow spaces.
- Remachadora con accionamiento a llave monodimensional para tuercas remachables, especialmente adecuada para trabajos en posiciones incómodas o para empleos limitados.

| Code / Código | For blind rivet nuts / Para tuercas remachables |
|---------------|-------------------------------------------------|
| 70M415        | M4                                              |
| 70M515        | M5                                              |
| 70M615        | M6                                              |
| 70M815        | M8                                              |
| 70M1015       | M10                                             |

## EXTRA KJ15

COD. 705021



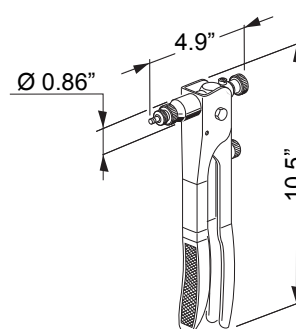
- Case containing 5 tools mod. KJ15 \*.
- Embalaje contenente 5 remachadoras KJ15 en los formatos \*.

| * mm |
|------|
| M4   |
| M5   |
| M6   |
| M8   |
| M10  |

## KJ17



- Tool for blind rivet nuts by 6-32 ÷ 1/4"-20 / M3 ÷ M6.
- Remachadora para tuercas remachables 6-32 ÷ 1/4"-20 / M3 ÷ M6.



lb.1,54( gr. 700)

## KJ17

COD. 700017

## KJ17 A

COD. 700017A



- Minimum quantity on request: 10 pieces
- Cantidad minima sobre pedido: 10 piezas

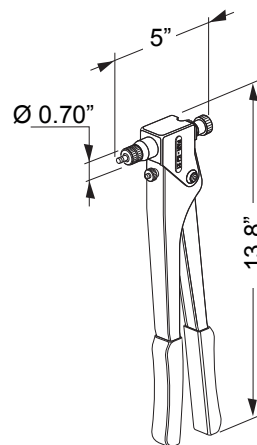
| mm  | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|-----|-------------------------|------------------|---------------------------------------|
| M3  | •                       | •                | •                                     |
| M4  | •                       | •                | •                                     |
| M5  | •                       | •                | •                                     |
| M6  | •                       | •                | •                                     |
| M8  |                         |                  |                                       |
| M10 |                         |                  |                                       |
| M12 |                         |                  |                                       |

| Inch     | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|----------|-------------------------|------------------|---------------------------------------|
| 6-32     | •                       | •                | •                                     |
| 8-32     | •                       | •                | •                                     |
| 10-24    | •                       | •                | •                                     |
| 10-32    | •                       | •                | •                                     |
| 1/4"-20  | •                       | •                |                                       |
| 5/16"-18 |                         |                  |                                       |
| 3/8"-16  |                         |                  |                                       |
| 1/2"-13  |                         |                  |                                       |

## EXTRA KJ21



- Plastic case containing 1 tool mod. KJ21, mandrels and heads.
- Embalaje en plástico contenente 1 remachadora KJ21 con tirantes y cabezas.



lb. 2,75 ( gr. 1.250)

## EXTRA KJ21

COD. 705072

| mm  | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|-----|-------------------------|------------------|---------------------------------------|
| M3  | •                       | •                | •                                     |
| M4  | •                       | •                | •                                     |
| M5  | •                       | •                | •                                     |
| M6  | •                       | •                | •                                     |
| M8  | •                       | •                | •                                     |
| M10 |                         |                  |                                       |
| M12 |                         |                  |                                       |

## EXTRA KJ21 A

COD. 705102



- Minimum quantity on request: 10 pieces
- Cantidad minima sobre pedido: 10 piezas

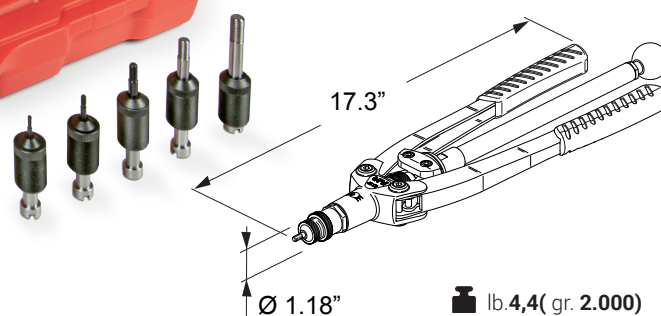
| Inch     | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|----------|-------------------------|------------------|---------------------------------------|
| 6-32     | •                       | •                | •                                     |
| 8-32     | •                       | •                | •                                     |
| 10-24    | •                       | •                | •                                     |
| 10-32    | •                       | •                | •                                     |
| 1/4"-20  | •                       | •                | •                                     |
| 5/16"-18 | •                       | •                |                                       |
| 3/8"-16  |                         |                  |                                       |
| 1/2"-13  |                         |                  |                                       |



## EXTRA KJ29



- Tool for blind rivet nuts by 6-32 ÷ 3/8"-16 / M3 ÷ M10 and, upon demand, with heads and tie rods for rivet bolts.
- Remachadora para tuercas remachables 6-32 ÷ 3/8"-16 / M3 ÷ M10 y, sobre pedido, con cabezas y tirantes para esparragos remachables.



## EXTRA KJ29

COD. 705094

| mm  | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|-----|-------------------------|------------------|---------------------------------------|
| M3  | •                       | •                | •                                     |
| M4  | •                       | •                | •                                     |
| M5  | •                       | •                | •                                     |
| M6  | •                       | •                | •                                     |
| M8  | •                       | •                | •                                     |
| M10 | •                       | •                | •                                     |
| M12 |                         |                  |                                       |

## EXTRA KJ29 A

COD. 705098



- Minimum quantity on request: 10 pieces
- Cantidad minima sobre pedido: 10 piezas

| Inch     | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|----------|-------------------------|------------------|---------------------------------------|
| 6-32     | •                       | •                | •                                     |
| 8-32     | •                       | •                | •                                     |
| 10-24    | •                       | •                | •                                     |
| 10-32    | •                       | •                | •                                     |
| 1/4"-20  | •                       | •                | •                                     |
| 5/16"-18 | •                       | •                | •                                     |
| 3/8"-16  | •                       | •                | •                                     |
| 1/2"-13  |                         |                  |                                       |

## EXTRA KJ 60



- Plastic case containing 1 hydropneumatic tool for blind rivet nuts, 6-32 ÷ 5/16"-18 / M3 ÷ M8 with mandrels and heads.
- Embalaje en plástico contenente 1 remachadora oleoneumática para tuercas remachables con tirantes y cabezas 6-32 ÷ 5/16"-18 / M3 ÷ M8.

## EXTRA KJ 60

COD. 705034

| mm  | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|-----|-------------------------|------------------|---------------------------------------|
| M3  | •                       | •                | •                                     |
| M4  | •                       | •                | •                                     |
| M5  | •                       | •                | •                                     |
| M6  | •                       | •                | •                                     |
| M8  | •                       | •                |                                       |
| M10 |                         |                  |                                       |
| M12 |                         |                  |                                       |

## EXTRA KJ 60 A

COD. 705026



- Minimum quantity on request: 3 pieces
- Cantidad minima sobre pedido: 3 piezas

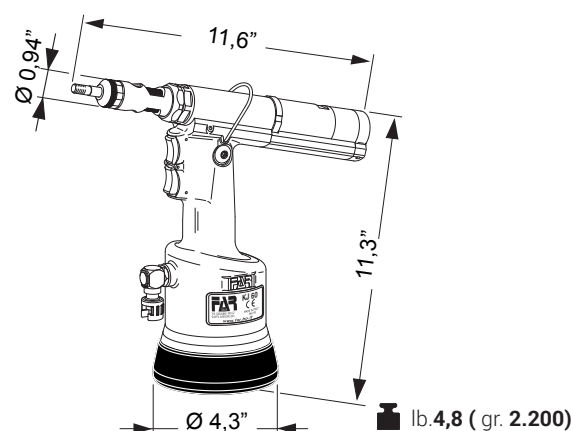
| Inch     | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|----------|-------------------------|------------------|---------------------------------------|
| 6-32     | •                       | •                | •                                     |
| 8-32     | •                       | •                | •                                     |
| 10-24    | •                       | •                | •                                     |
| 10-32    | •                       | •                | •                                     |
| 1/4"-20  | •                       | •                | •                                     |
| 5/16"-18 | •                       | •                |                                       |
| 3/8"-16  |                         |                  |                                       |
| 1/2"-13  |                         |                  |                                       |



## KJ 60



- Hydropneumatic tool for blind rivet nuts in carton box with single size of head and mandrel to be chosen from 6-32 ÷ 5/16"-18 / M3 ÷ M8.
- Remachadora oleoneumática para tuercas remachables en caja de cartón con un único tamaño para la cabeza y el tirante a elegir entre 6-32 ÷ 5/16"-18 / M3 ÷ M8.



## KJ 60

\*

## KJ 60 A

\*



- Minimum quantity on request: 3 pieces
- Cantidad minima sobre pedido: 3 piezas

Maximum force / Potencia maxima

3.057 lbf (13.656 N)

Stroke / Carrera

.29 in (7,5 mm)

| mm  | *<br>Code / Código | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|-----|--------------------|-------------------------|------------------|---------------------------------------|
| M3  | 700060M3           | •                       | •                | •                                     |
| M4  | 700060M4           | •                       | •                | •                                     |
| M5  | 700060M5           | •                       | •                | •                                     |
| M6  | 700060M6           | •                       | •                | •                                     |
| M8  | 700060M8           | •                       | •                |                                       |
| M10 |                    |                         |                  |                                       |
| M12 |                    |                         |                  |                                       |

| Inch     | *<br>Code / Código | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|----------|--------------------|-------------------------|------------------|---------------------------------------|
| 6-32     | 700060A1           | •                       | •                | •                                     |
| 8-32     | 700060A2           | •                       | •                | •                                     |
| 10-24    | 700060A3           | •                       | •                | •                                     |
| 10-32    | 700060A4           | •                       | •                | •                                     |
| 1/4"-20  | 700060A5           | •                       | •                | •                                     |
| 5/16"-18 | 700060A6           | •                       | •                |                                       |
| 3/8"-16  |                    |                         |                  |                                       |
| 1/2"-13  |                    |                         |                  |                                       |

## EXTRA KJ 46



- Plastic case containing 1 hydropneumatic tool for blind rivet nuts, 8-32 ÷ 1/4"-20 / M4 ÷ M10 with mandrels and heads.

- *Embalaje en plástico contenente 1 remachadora oleoneumática para tuercas remachables con tirantes y cabezas 8-32 ÷ 1/4"-20 / M4 ÷ M10.*

- Hydropneumatic tool for rivet nuts with the possibility of pneumatic or mechanical adjustment of the power / stroke
- *Remachadora oleoneumatica para tuercas remachables con posibilidad de ajuste neumático o mecánico de potencia / carrera*

## EXTRA KJ 46

COD. 705111

## EXTRA KJ 46 A

COD. 705114



- Minimum quantity on request: 3 pieces
- *Cantidad minima sobre pedido: 3 piezas*

| mm  | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|-----|-------------------------|------------------|---------------------------------------|
| M4  | •                       | •                | •                                     |
| M5  | •                       | •                | •                                     |
| M6  | •                       | •                | •                                     |
| M8  | •                       | •                | •                                     |
| M10 | •                       | •                | •                                     |

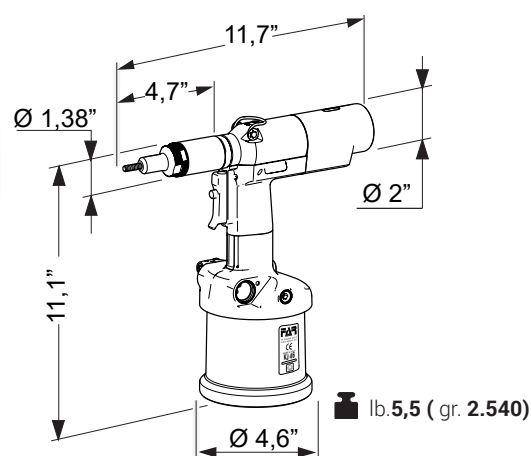
| Inch     | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|----------|-------------------------|------------------|---------------------------------------|
| 8-32     | •                       | •                | •                                     |
| 10-24    | •                       | •                | •                                     |
| 10-32    | •                       | •                | •                                     |
| 1/4"-20  | •                       | •                | •                                     |
| 5/16"-18 | •                       | •                | •                                     |
| 3/8"-16  | •                       | •                | •                                     |

## KJ 46



- Hydropneumatic tool for blind rivet nuts in carton box with single size of head and mandrel to be chosen from 8-32 ÷ 1/4"-20 / M4 ÷ M10
- Remachadora oleoneumática para tuercas remachables en caja de cartón con un único tamaño de cabeza y el tirante a elegir entre 8-32 ÷ 1/4"-20 / M4 ÷ M10

- Hydropneumatic tool for rivet nuts with the possibility of pneumatic or mechanical adjustment of the power / stroke
- Remachadora oleoneumatica para tuercas remachables con posibilidad de ajuste neumático o mecanico de potencia / carrera



## KJ 46



## KJ 46 A



- Minimum quantity on request: 3 pieces
- Cantidad minima sobre pedido: 3 piezas

Maximum force / Potencia maxima

5,395 lbf (24.000N)

Stroke / Carrera

.28 in ( 7 mm)

| mm  | *<br>Code / Código | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|-----|--------------------|-------------------------|------------------|---------------------------------------|
| M4  | 700046M4           | •                       | •                | •                                     |
| M5  | 700046M5           | •                       | •                | •                                     |
| M6  | 700046M6           | •                       | •                | •                                     |
| M8  | 700046M8           | •                       | •                | •                                     |
| M10 | 700046SM10         | •                       | •                | •                                     |

| Inch     | *<br>Code / Código | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|----------|--------------------|-------------------------|------------------|---------------------------------------|
| 8-32     | 700046A1           | •                       | •                | •                                     |
| 10-24    | 700046A2           | •                       | •                | •                                     |
| 10-32    | 700046A3           | •                       | •                | •                                     |
| 1/4"-20  | 700046A4           | •                       | •                | •                                     |
| 5/16"-18 | 700046A5           | •                       | •                | •                                     |
| 3/8"-16  | 700046A6           | •                       | •                | •                                     |

## EXTRA KJ 47



• Plastic case containing 1 hydropneumatic tool for blind rivet nuts, 8-32 ÷ 1/4"-20 / M4 ÷ M10 with mandrels and heads.

• Embalaje en plástico contenente 1 remachadora oleoneumática para tuercas remachables con tirantes y cabezas 8-32 ÷ 1/4"-20 / M4 ÷ M10.

• Hydropneumatic riveter for rivet nuts, pneumatic adjustment of the power

• Remachadora oleoneumatica para tuercas remachables ajuste néumatico de potencia

## EXTRA KJ 47

COD. 705116

## EXTRA KJ 47 A

COD. 705117



• Minimum quantity on request: 3 pieces

• Cantidad minima sobre pedido: 3 piezas

| mm  | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|-----|-------------------------|------------------|---------------------------------------|
| M4  | •                       | •                | •                                     |
| M5  | •                       | •                | •                                     |
| M6  | •                       | •                | •                                     |
| M8  | •                       | •                | •                                     |
| M10 | •                       | •                | •                                     |

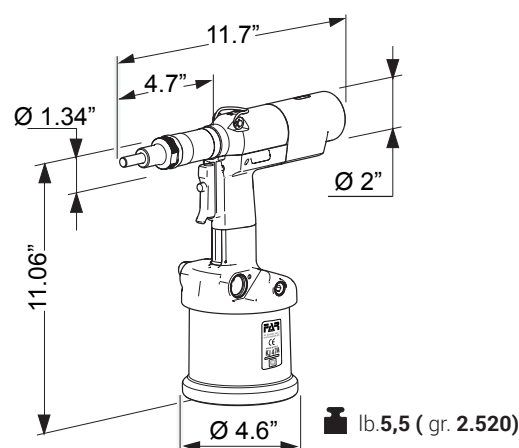
| Inch     | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|----------|-------------------------|------------------|---------------------------------------|
| 8-32     | •                       | •                | •                                     |
| 10-24    | •                       | •                | •                                     |
| 10-32    | •                       | •                | •                                     |
| 1/4"-20  | •                       | •                | •                                     |
| 5/16"-18 | •                       | •                | •                                     |
| 3/8"-16  | •                       | •                | •                                     |

## KJ 47



- Hydropneumatic riveter for rivet nuts, pneumatic adjustment of the power
- Remachadora oleoneumatica para tuercas remachables ajuste neumático de potencia

- Hydropneumatic tool for blind rivet nuts in carton box with single size of head and mandrel to be chosen from 8-32 ÷ 1/4"-20 / M4 ÷ M10
- Remachadora oleoneumatica para tuercas remachables en caja de cartón con un único tamaño de cabeza y el tirante a elegir entre 8-32 ÷ 1/4"-20 / M4 ÷ M10



## KJ 47



## KJ 47 A



- Minimum quantity on request: 3 pieces
- Cantidad minima sobre pedido: 3 piezas

Maximum force / Potencia maxima

5,395 lbf (24.000N)

Stroke / Carrera

.28 in ( 7 mm)

| mm  |  Code / Código | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|-----|---------------------------------------------------------------------------------------------------|-------------------------|------------------|---------------------------------------|
| M4  | 700047M4                                                                                          | •                       | •                | •                                     |
| M5  | 700047M5                                                                                          | •                       | •                | •                                     |
| M6  | 700047M6                                                                                          | •                       | •                | •                                     |
| M8  | 700047M8                                                                                          | •                       | •                | •                                     |
| M10 | 700047M10                                                                                         | •                       | •                | •                                     |

| Inch     |  Code / Código | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|----------|----------------------------------------------------------------------------------------------------|-------------------------|------------------|---------------------------------------|
| 8-32     | 700047A1                                                                                           | •                       | •                | •                                     |
| 10-24    | 700047A2                                                                                           | •                       | •                | •                                     |
| 10-32    | 700047A3                                                                                           | •                       | •                | •                                     |
| 1/4"-20  | 700047A4                                                                                           | •                       | •                | •                                     |
| 5/16"-18 | 700047A5                                                                                           | •                       | •                | •                                     |
| 3/8"-16  | 700047A6                                                                                           | •                       | •                | •                                     |

## EXTRA KJ 45/S



- Plastic case containing 1 hydropneumatic tool for blind rivet nuts, 8-32 ÷ 1/2"-13 / M4 ÷ M12 with mandrels and heads.
- Embalaje en plástico contenente 1 remachadora oleoneumática para tuercas remachables con tirantes y cabezas 8-32 ÷ 1/2"-13 / M4 ÷ M12.

## EXTRA KJ 45/S

COD. 705082

## EXTRA KJ 45/S A

COD. 705083



- Minimum quantity on request: 3 pieces
- Cantidad minima sobre pedido: 3 piezas

| mm  | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|-----|-------------------------|------------------|---------------------------------------|
| M4  | •                       | •                | •                                     |
| M5  | •                       | •                | •                                     |
| M6  | •                       | •                | •                                     |
| M8  | •                       | •                | •                                     |
| M10 | •                       | •                | •                                     |
| M12 | •                       | •                | •                                     |

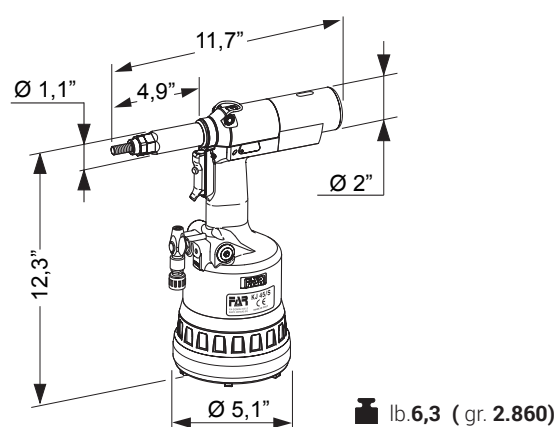
| Inch     | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|----------|-------------------------|------------------|---------------------------------------|
| 6-32     | •                       | •                | •                                     |
| 8-32     | •                       | •                | •                                     |
| 10-24    | •                       | •                | •                                     |
| 10-32    | •                       | •                | •                                     |
| 1/4"-20  | •                       | •                | •                                     |
| 5/16"-18 | •                       | •                | •                                     |
| 3/8"-16  | •                       | •                | •                                     |
| 1/2"-13  | •                       | •                | •                                     |



## KJ 45/S



- Hydropneumatic tool for blind rivet nuts in carton box with single size of head and mandrel to be chosen from 8-32 ÷ 1/2"-13 / M4 ÷ M12.
- Remachadora oleoneumática para tuercas remachables en caja de cartón con un único tamaño de cabeza y el tirante a elegir entre 8-32 ÷ 1/2"-13 / M4 ÷ M12.



## KJ 45/S



## KJ 45/S A



- Minimum quantity on request: 3 pieces
- Cantidad mínima sobre pedido: 3 piezas

Maximum force / Potencia máxima

6.159 lbf (27.440)

Stroke / Carrera

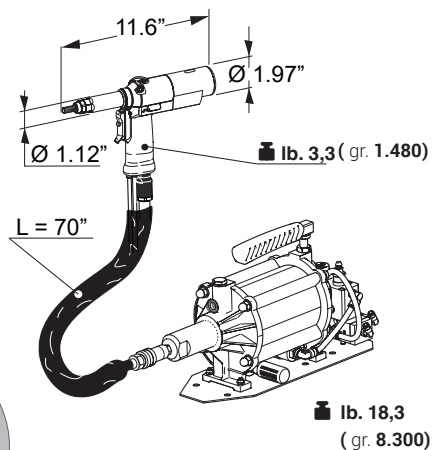
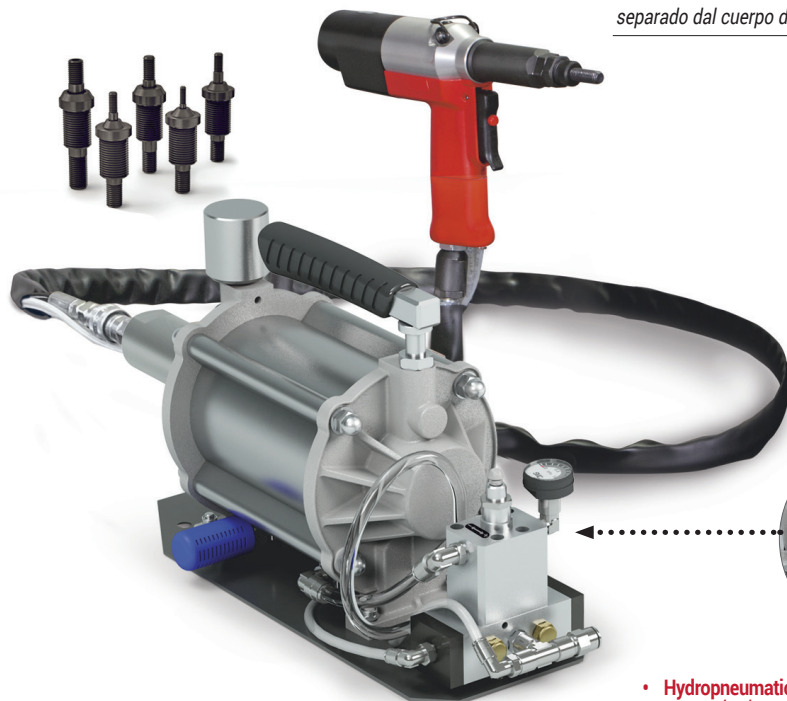
.29 in (7,6 mm)

| mm  | ★<br>Code / Código | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|-----|--------------------|-------------------------|------------------|---------------------------------------|
| M4  | 700045SM4          | •                       | •                | •                                     |
| M5  | 700045SM5          | •                       | •                | •                                     |
| M6  | 700045SM6          | •                       | •                | •                                     |
| M8  | 700045SM8          | •                       | •                | •                                     |
| M10 | 700045SM10         | •                       | •                | •                                     |
| M12 | 700045SM12         | •                       | •                | •                                     |

| Inch     | ★<br>Code / Código | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|----------|--------------------|-------------------------|------------------|---------------------------------------|
| 6-32     | 700045SA0          | •                       | •                | •                                     |
| 8-32     | 700045SA1          | •                       | •                | •                                     |
| 10-24    | 700045SA2          | •                       | •                | •                                     |
| 10-32    | 700045SA3          | •                       | •                | •                                     |
| 1/4"-20  | 700045SA4          | •                       | •                | •                                     |
| 5/16"-18 | 700045SA5          | •                       | •                | •                                     |
| 3/8"-16  | 700045SA6          | •                       | •                | •                                     |
| 1/2"-13  | 700045SA7          | •                       | •                | •                                     |

## KJ 73 FV

- Hydropneumatic riveting tool for blind rivet nuts 8-32 ÷ 1/2"-13 / M4 ÷ M12. Tool body separated from the booster. Suitable for assembly line.
- Remachadora oleoneumática para tuercas remachables 8-32 ÷ 1/2"-13 / M4 ÷ M12. Booster de potencia separado del cuerpo de la remachadora. Particularmente indicada para el trabajo en cadena de montaje.



- Hydropneumatic riveter for rivet nuts, pneumatic adjustment of the power
- Remachadora oleoneumatica para tuercas remachables ajuste neumático de potencia

## KJ 73 FV

COD. 700073 FV

## KJ 73 FV A

COD. 700073FVA

Maximum force / Potencia maxima

7.119lbf (31.667))

Stroke / Carrera

.39 in (10 mm)

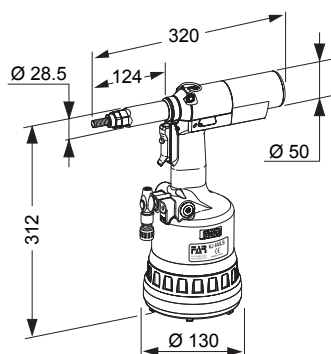
| mm  | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|-----|-------------------------|------------------|---------------------------------------|
| M4  | •                       | •                | •                                     |
| M5  | •                       | •                | •                                     |
| M6  | •                       | •                | •                                     |
| M8  | •                       | •                | •                                     |
| M10 | •                       | •                | •                                     |
| M12 | •                       | •                | •                                     |

| Inch     | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|----------|-------------------------|------------------|---------------------------------------|
| 8-32     | •                       | •                | •                                     |
| 10-24    | •                       | •                | •                                     |
| 10-32    | •                       | •                | •                                     |
| 1/4"-20  | •                       | •                | •                                     |
| 5/16"-18 | •                       | •                | •                                     |
| 3/8"-16  | •                       | •                | •                                     |
| 1/2"-13  | •                       | •                | •                                     |

## KJ 44/LS

WITH LONG STROKE • DE CARRERA LARGA

- Plastic case containing 1 hydro-pneumatic tool with 8-32 ÷ 5/16"-18 / M4 ÷ M8 mandrels and heads for rivet nuts that need a stroke longer than 7,5 mm (0.29").
- Embalaje en plástico contenente 1 remachadora oleoneumática con tirantes y cabezas 8-32 ÷ 5/16"-18 / M4 ÷ M8, para tuercas remachables que requieran una carrera superior a 7,5 mm (0.29").



 lb. 6,4 ( gr. 2.920)



## KJ 44/LS

COD. 705105

## KJ 44/LS A

COD. 705106

Maximum force / Potencia maxima

4.271 lbf (19.000)

Stroke / Carrera

.62 in (16 mm)

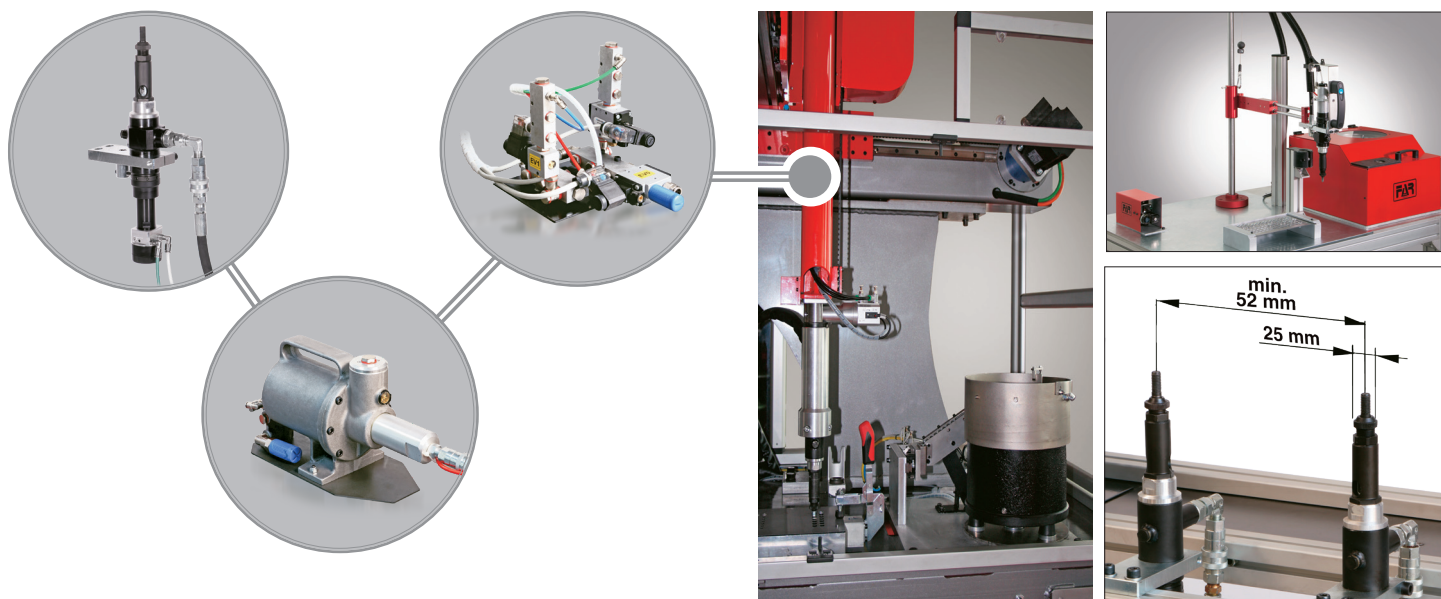
| mm | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|----|-------------------------|------------------|---------------------------------------|
| M4 | •                       | •                | •                                     |
| M5 | •                       | •                | •                                     |
| M6 | •                       | •                | •                                     |
| M8 | •                       | •                | •                                     |

| Inch     | Aluminium /<br>Aluminio | Steel /<br>Acero | Stainless steel /<br>Acero inoxidable |
|----------|-------------------------|------------------|---------------------------------------|
| 8-32     | •                       | •                | •                                     |
| 10-24    | •                       | •                | •                                     |
| 10-32    | •                       | •                | •                                     |
| 1/4"-20  | •                       | •                | •                                     |
| 5/16"-18 | •                       | •                | •                                     |

## UBIE - A

### MODULAR RIVETING SYSTEM

### SISTEMA DE REMACHADO MODULAR



**Maximum force** / Potencia maxima

**6.776 lbf (30.143 N)**

**Stroke** / Carrera

**.37 in (10 mm)**

The basic unit is a modular riveting system at various levels suitable for use in a variety of applications, from the simplest to the most complex. The system consists of a head suitable for the use of threaded inserts, an hydro-dynamic booster and an electrical control unit and a single pneumatic system. The unit (s) can be designed for a manual loading of the threaded inserts or served by an automatic feeding system. The heads can be positioned on a bench-work station or can be arranged to be moved by an automatic handling system (robot). Here are some application examples. More details on our website:

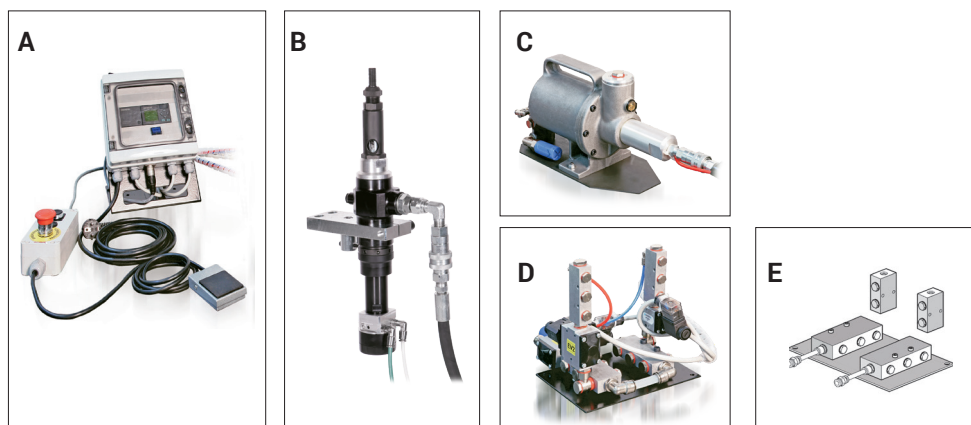
<https://www.far.bo.it/en/products/automation-and-special-machines.html>

La unidad base es un sistema de remachado componible y modular en varios niveles para su uso en una amplia gama de aplicaciones, desde las más simples hasta las más complejas. El sistema está compuesto por un cabezal apto para el uso de tuercas remachables, una unidad de accionamiento oleodinámica y una unidad eléctrica de control o por un único sistema neumático. La unidad o unidades se pueden diseñar para la carga manual de la tuerca remachable o para ser asistidas por un sistema de alimentación automática. Los cabezales se pueden instalar sobre una estación de trabajo o pueden prepararse para su incorporación a un sistema de desplazamiento automático (robot). A continuación, se presentan algunos ejemplos de aplicación. Más detalles en nuestro sitio web:

<https://www.far.bo.it/es/productos/automacion-y-equipos-especiales.html>

## Descrizione / Description

### Complete Main Unit (with 1 head) Unidad base completa (con 1 cabeza)



The standard equipment of the Main Unit consists of: an electrical panel with foot pedal (A), a head group (B), a booster group (C), a pneumatic group (D). The supplied pneumatic system (D) allows to control up to 5 units of riveting.  
From 6 up to 10 riveting units a supplementary pneumatic group (E) is required.

La unidad puede ser entregada con mando a pedal o a doble pulsador. La unidad base completa incluye en serie un panel eléctrico con pedal (A), un grupo cabeza (B), un grupo booster (C), un grupo neumático (D). El sistema neumático (D) suministrado permite controlar hasta 5 unidades de remachado. De 6 a 10 unidades de remachado tiene que añadir un grupo neumático adicional (E).

## Descrizione / Description

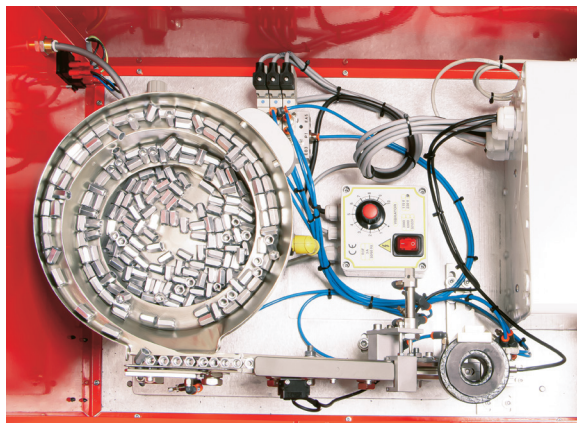
|                                                                                     |                                       |
|-------------------------------------------------------------------------------------|---------------------------------------|
|  | <b>Head group</b><br>Grupo cabeza     |
|  | <b>Booster group</b><br>Grupo booster |



## AS 4

### SEMI-AUTOMATIC FEEDER AS 4

#### ALIMENTADOR SEMIAUTOMTICO AS 4



- Device specifically conceived to speed up the fitting of blind rivet nuts. The speed at which the blind rivet nut screws on the riveting tool's tie rod allows to reduce and rationalize the fitting time.

The semi-automatic feeder AS 4 is supplied according to the Blind rivet nut size (From thread M5 to M8) requested by the client.

The semi-automatic feeder AS 4 is compatible with the following types of FAR riveting tools: KJ 45/S, KJ 46, KJ 47, KJ 60, KJ 73 - KJ 73 FV - UBI.

- Dispositivo concebido para acelerar la puesta en obra de tuercas remachables. La rapidez con la cual la tuerca se atornilla sobre el tirante de la remachadora, permite de reducir y racionalizar fundamentalmente los tiempos de puesta en obra.

El alimentador semiautomtico AS 4 se suministra para un tamaño de tuerca (con rosca de M5 a M8) a pedido del cliente.

El alimentador semiautomtico AS 4 es compatible con remachadoras FAR mod. KJ 45/S, KJ46, KJ 47, KJ 60, KJ 73 - KJ73 FV - UBI.

More details on our website:

<https://www.far.bo.it/en/products/automation-and-special-machines.html>

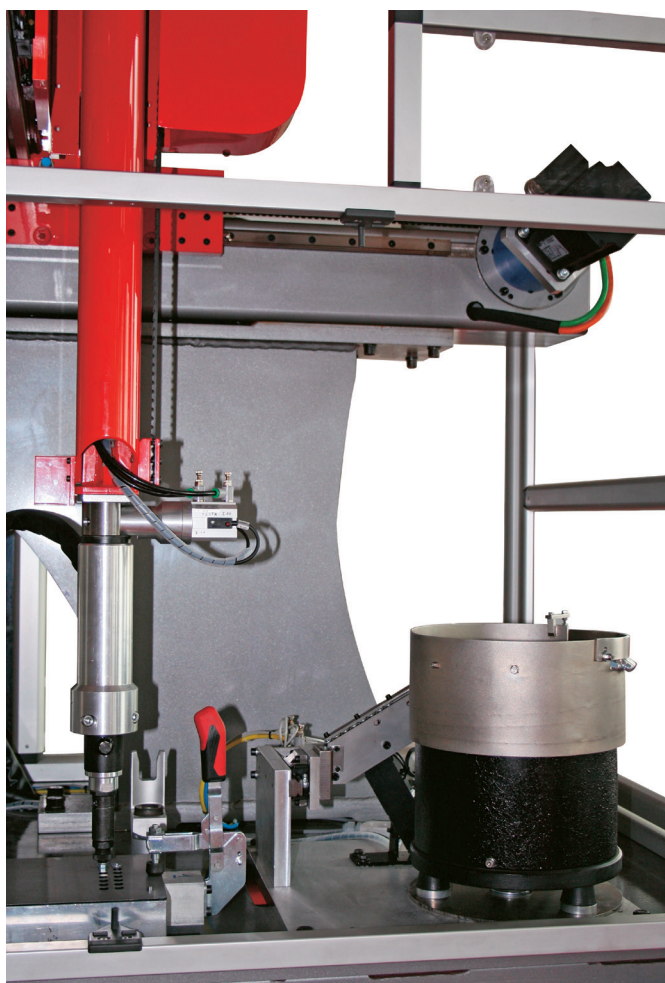
Más detalles en nuestro sitio web:

<https://www.far.bo.it/es/productos/automacion-y-equipos-especiales.html>



## POWER SUPPLY AND INSTALLATION OF BLIND RIVET NUTS FOR ROBOTIC SYSTEMS

GRUPO DE ALIMENTACIÓN Y APLICACIÓN  
DE TUERCAS REMACHABLES PARA SISTEMAS ROBOTIZADOS



- Unit realized for the feeding and correct positioning of the blind rivet nuts through a robotic system.

As per our business procedure, all systems we manufacture are customised in accordance with customers' needs.

- Grupo realizado para la correcta alimentación y colocación de las tuercas remachables a través de un sistema robotizado. Conforme a la práctica de la empresa, todos los sistemas que fabricamos se personalizan en función de las exigencias de cada cliente.

More details on our website:

<https://www.far.bo.it/en/products/automation-and-special-machines.html>

Más detalles en nuestro sitio web:

<https://www.far.bo.it/es/productos/automacion-y-equipos-especiales.html>



## Fastening Control SC8

### Productivity always under control

*This system is based on analysis of pressure/stroke curves which define the acceptance criterion of the riveting process through the comparison between the acquired curves and those of a first "Master" sample.*

*Possibility of monitoring with a single software more than one riveter equipped with boosters produced by FAR.*

*Definition and control of the riveting sequence within the same part to precisely identify any position in which the operation is not compliant.*

*Creation of the order, monitoring of the progress of the riveting processes.*

*Data communication via ethernet cable or WiFi connection.*

*Storage of data and signals on DataBase, the system can be integrated into the customer's IT infrastructure, offering a series of additional advantages, such as: monitoring of riveting processes, processing safety, status and service indicators, effective maintenance planning of the tools used, with consequent optimization of the production quality system and the management of times and methods.*

### Productividad siempre bajo control

*Sistema basado en el análisis de las curvas de presión/carrera, que definen el criterio de aceptabilidad del proceso de remachado mediante la comparación de las curvas adquiridas con las de una muestra «maestra» inicial.*

*Posibilidad de controlar varias remachadoras equipadas con boosters fabricados por nosotros, con un único software.*

*Definición y control de la secuencia de remachado dentro de la misma pieza para identificar con precisión cualquier posición en la que la operación no sea conforme.*

*Creación de la orden de trabajo, supervisión del progreso del trabajo de remachado.*

*Comunicación de datos mediante cable Ethernet o conexión WiFi.*

*Al almacenar los datos y las señales en una base de datos, el sistema puede integrarse en la infraestructura informática del cliente, lo que ofrece una serie de ventajas adicionales, como la supervisión de los procesos de remachado, la seguridad de los procesos, los indicadores de estado y servicio, la programación eficaz del mantenimiento de las herramientas y la optimización del sistema de calidad de la producción y la gestión de tiempos y métodos.*



# " FAR Monitoring System "

## Control system of the riveting process

FAR Monitor System is control and monitoring device of the riveting process based on the collection of the stress and time required for proper installation of each rivet.

The system is based on:

- Learning phase: a defined number of compliant blind rivets are placed on the correct installation (griprange, holes, feeding pressure).
- Production phase: during the application the system defines the proper installation, indicating On the display by symbols "OK" or "NO" the result.

## Sistema de control del proceso de remachado

El sistema FAR Monitor System es un dispositivo de control y monitorización del proceso de remachado basado en la recogida del esfuerzo y del tiempo necesarios para la correcta aplicación de cada remache.

El sistema se basa en:

- Fase de aprendizaje: se colocan en disposición correcta (espesor de apriete, orificios, presión de alimentación de la remachadora) un número definido de remaches adecuados.
- Fase de producción: durante la aplicación, el sistema define la colocación correcta, señalando visualmente el resultado por símbolos "OK" o "NO".







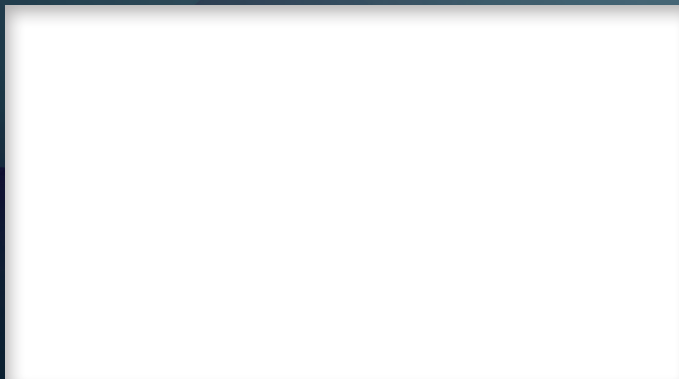
## FAR SRL

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