

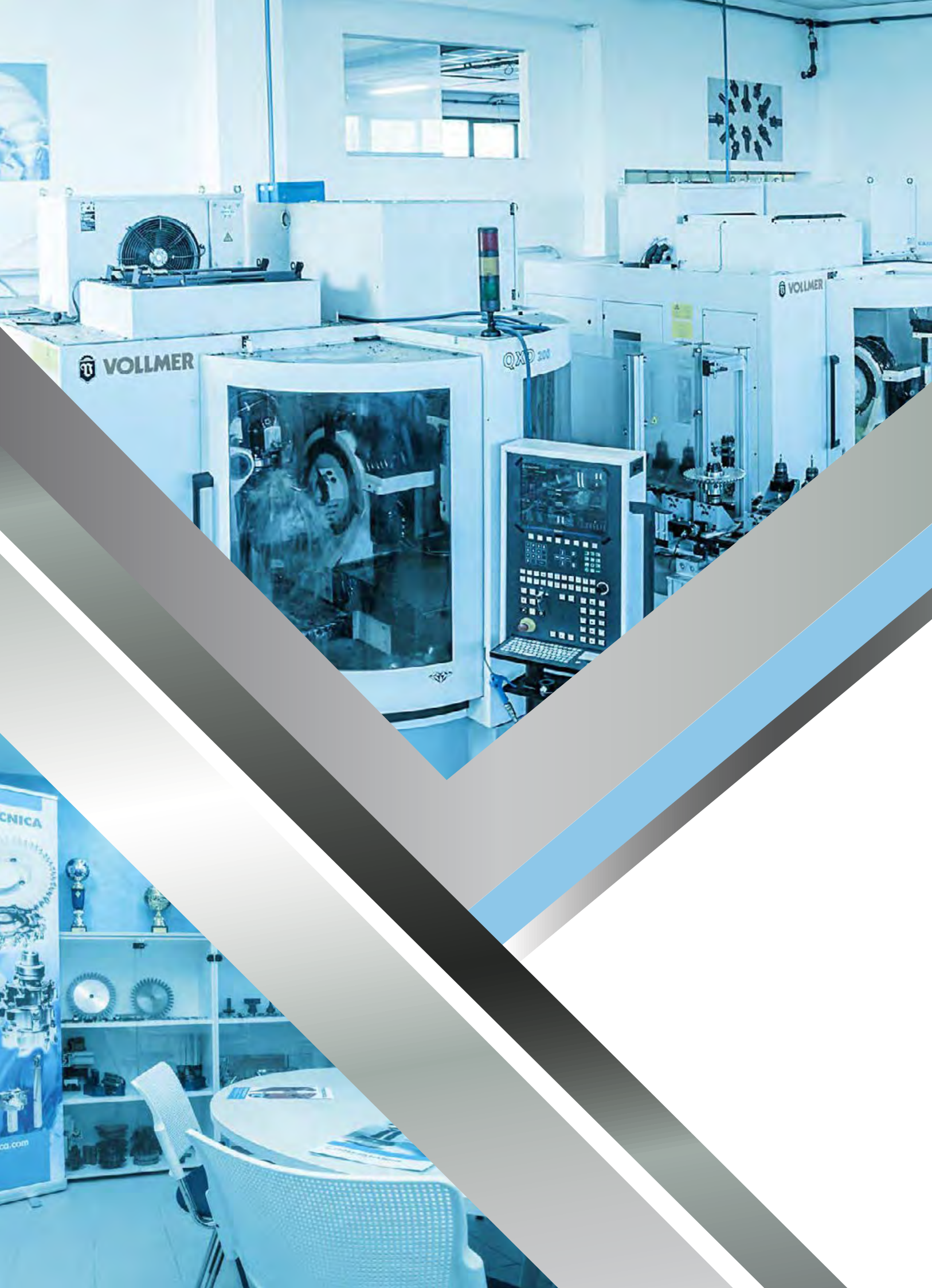


 **UTENSIL
TECNICA**
TAILORED TECH TOOLS

CATALOGO ALLUMINIO/PVC
CATALOGUE PVC AND ALUMINUM
CATÁLOGO DE PVC Y ALUMINIO



02/2020





L'AZIENDA

THE COMPANY LA EMPRESA



UTENSILTECNICA nasce nel 1973 a Montegridolfo, grazie all'esperienza di UGUCCIONI MAURO e della sua famiglia; rappresenta una realtà importante per la produzione di utensili speciali per la lavorazione di legno, alluminio e pvc.

UTENSILTECNICA was founded in 1973 in Montegridolfo (RN), thanks to the experience and determination of its founder Mauro Uguccioni and his family members. The Company represents an important point of reference for the production of customized high standard quality tools, for wood, aluminium and pvc processing.



UTENSILTECNICA fue fundada en 1973 en Montegridolfo (RN), gracias a la experiencia y determinación de su fundador Mauro Uguccioni y sus familiares. La empresa representa un importante punto de referencia para la producción de herramientas personalizadas de alta calidad, para madera, aluminio y procesamiento de PVC.



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REPARTO MECCANICA



Macchinari tecnologicamente all'avanguardia e operatori altamente specializzati sono la nostra garanzia per fornirvi un utensile perfetto e duraturo. Siamo anche specializzati nella produzione di utensili per il settore dei serramenti: grazie al nostro know-how possiamo fornirvi non solamente soluzioni utili per tutte le fasi di costruzione dell'infisso, ma anche una costante assistenza tecnica per ogni vostra esigenza.

MECHANICAL DEPARTMENT

Technologically advanced machinery and highly specialized operators are our guarantee for providing you perfect and long lasting tools. We are also specialized in the production of tools for the window frame sector: thanks to our know-how we can provide you not only useful solutions for the construction phases, but also a constant technical assistance for all your needs.



DEPARTAMENTO MECANICO

La maquinaria tecnológicamente avanzada y los operadores altamente especializados son nuestra garantía para proporcionarle herramientas perfectas y duraderas. También estamos especializados en la producción de herramientas para el sector de ventanas: gracias a nuestro know-how, podemos proporcionar no solo soluciones útiles para las fases de construcción, sino también una asistencia técnica importante para todas sus necesidades.



 **UTENSIL
TECNICA**
TAILORED TECH TOOLS



WWW



REPARTO DIAMANTE



Grazie alle nostre macchine di ultima generazione possiamo produrre utensili in PCD sia speciali che standard di altissimo livello e offrire un preciso e puntuale servizio di affilatura. Per riuscire a raggiungere la qualità che contraddistingue i nostri utensili ci sono voluti anni di affinamento ed esperienza che ci hanno fatto guadagnare la reputazione che oggi ci rende orgogliosamente un punto di riferimento nel settore.

PCD DEPARTMENT

Thanks to our new generation machines we can produce both special and standard PCD tools of the highest level and offer a precise and punctual sharpening service. In order to achieve the quality that distinguishes our tools, it took years of refinement and experience that have assured us the reputation that today makes us proudly a point of reference in the sector.



DEPARTAMENTO DE DIAMANTE

Gracias a nuestras máquinas de nueva generación, podemos producir herramientas PCD especiales y especiales del más alto nivel y ofrecer un servicio de afilado preciso y puntual. Para lograr la calidad que distingue nuestras herramientas, se necesitaron años de refinamiento y experiencia que nos han asegurado la reputación que hoy nos hace orgullosamente un punto de referencia en el sector.



 **UTENSIL
TECNICA**
TAILORED TECH TOOLS

REPARTO COLTELLI PUNTE IN HW



Con il nostro reparto preposto alla produzione e all'affilatura di coltellini, punte e frese in HM offriamo una produzione attenta al minimo dettaglio e sempre disponibile a progettare e studiare soluzioni personalizzate per ogni tipo di lavorazione e necessità. Anche in questo settore le nostre macchine sommate all'esperienza maturata negli anni e all'efficienza dei nostri operatori specializzati assicurano un servizio di primissima qualità e un'assistenza tecnica costante per i nostri clienti.

HW (SOLID CARBIDE) KNIVES AND DRILLS DEPARTMENT

With our department dedicated at the production and sharpening of HW (solid carbide) knives, drills and cutters, we offer production that is focused on the smallest details and always available to design and study customized solutions for every type of processing and need. Even in this sector, our machines added to the experience gained over the years and the efficiency of our specialized operators ensure top quality service and constant technical assistance for our customers.

DEPARTAMENTO DE CUCHILLAS Y BROCAS EN HW (WIDIA)

Con nuestro departamento dedicado a la producción y afilado de cuchillas, taladros y cortadores en HM (WIDIA), ofrecemos una producción centrada en los detalles más pequeños y siempre disponible para diseñar y estudiar soluciones personalizadas para cada tipo de procesamiento y necesidad. Incluso en este sector, nuestras máquinas se suman a la experiencia adquirida a lo largo de los años y la eficiencia de nuestros operadores especializados aseguran un servicio de alta calidad y asistencia técnica constante para nuestros clientes.



CONTROLLO QUALITA' MARCATURA LASER



La società vanta di un solido reparto produttivo che le permette di proporsi con tutte le migliori credenziali sul mercato nazionale e internazionale, sia in termini di affidabilità, precisione e rapporto qualità-prezzo. La nostra qualità è il risultato dell'unione tra innovazione tecnologica, esperienza maturata in quarantacinque anni di attività e attenzione costante verso la produzione di ogni singolo utensile.

QUALITY CONTROL/LASER MARKING

The company has advanced machinery and latest technological production solutions in order to compete with national and international markets, both in terms of reliability, accuracy, durability, and as well with an excellent price/quality ratio.

Our quality is the result of technological innovation, forty-five years of experience, constant attention to every details of each tool produced.

CONTROL DE CALIDAD/MARCADO LÁSER

Con nuestro departamento dedicado a la producción y afilado de cuchillas, taladros y cortadores en HM (WIDIA), ofrecemos una producción centrada en los detalles más pequeños y siempre disponible para diseñar y estudiar soluciones personalizadas para cada tipo de procesamiento y necesidad. Incluso en este sector, nuestras máquinas se suman a la experiencia adquirida a lo largo de los años y la eficiencia de nuestros operadores especializados aseguran un servicio de alta calidad y asistencia técnica constante para nuestros clientes.

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Articolo Article/Articulo	Descrizione Description/Descripción	Pagina Page/Página
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CONT



TROSAGOME

Controsagome

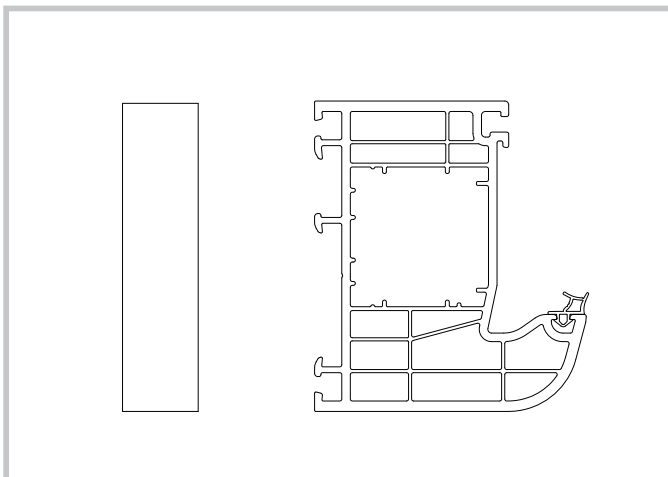
Counterprofiles
Contraformas



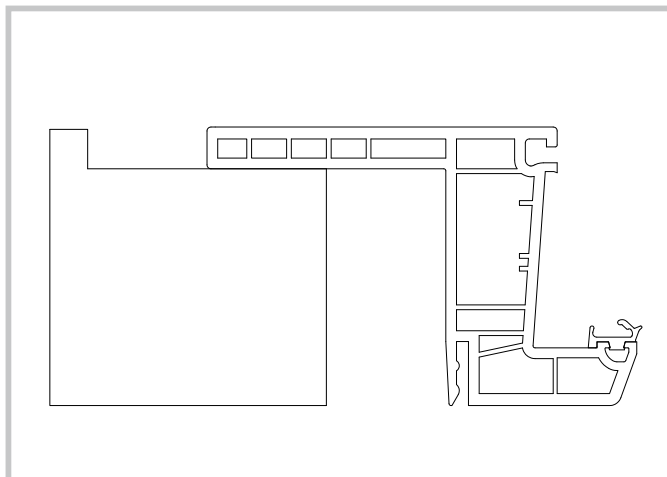
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- 🇮🇹 Controsagome in alluminio per la saldatura SERIE ECO
- 🇬🇧 Aluminium counterprofiles for welding SERIES ECO
- 🇪🇸 Contraformas en aluminio para soldar SERIE ECO

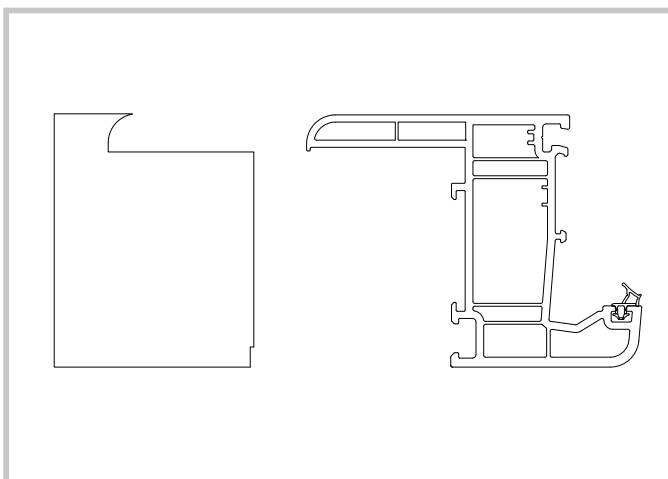
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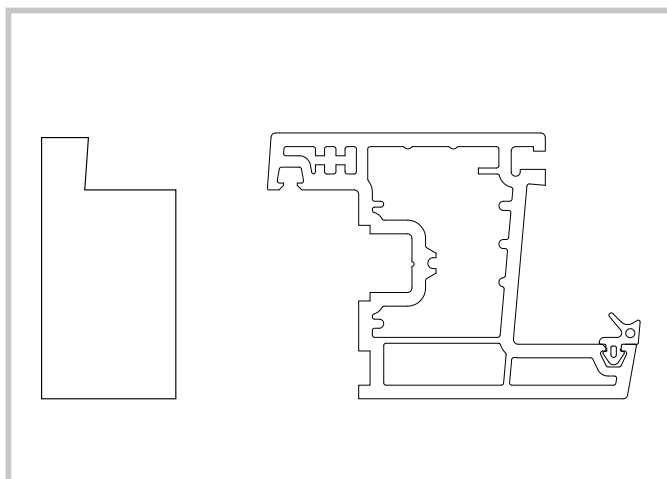
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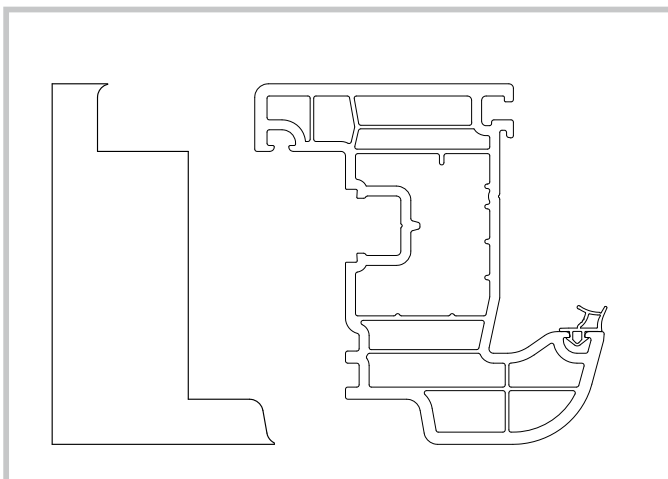
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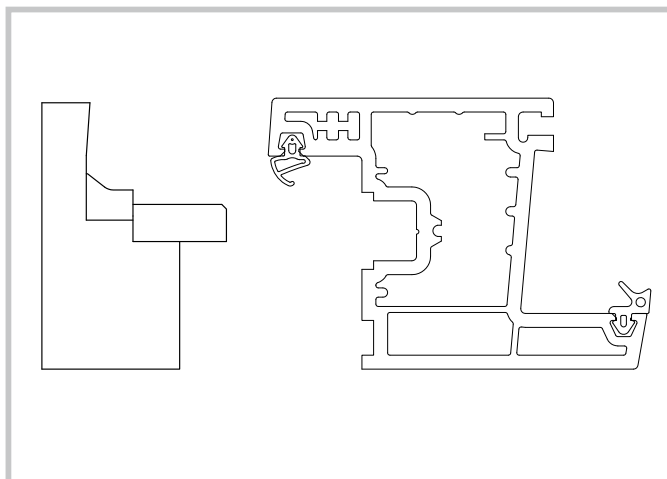
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001E/05



001E/06



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- 🇮🇹 Controsagome in alluminio per la saldatura **SERIE ECO**
- 🇬🇧 **Aluminium counterprofiles for welding SERIES ECO**
- 🇪🇸 **Contraformas en aluminio para soldar SERIE ECO**

Articolo <i>Article/Articulo</i>	Descrizione <i>Description/Descripción</i>
0.01E/01	Controsagoma per telaio a "L" <i>Counter profiles for "L" shape window frame</i> <i>Contraforma para marco</i>
0.01E/02	Controsagoma per telaio a "Z" <i>Counter profiles for "Z" shape window frame</i> <i>Contraforma para marco con solape</i>
0.01E/03	Controsagoma per telaio a "Z" SAGOMATO <i>Counter profiles for "Z" shaped window frame</i> <i>Contraforma para marco curvo con solape</i>
0.01E/04	Controsagoma per anta arretrata senza coltello guarnizione - senza molle <i>Counter profile for offset leaf without gasket knife - without springs</i> <i>Contraforma para hoja recta - sin cuchilla de goma - sin muelles</i>
0.01E/05	Controsagoma per anta semicomplanare senza coltello guarnizione - senza molle <i>Counter profile for flush fitted leaf without gasket knife - without springs</i> <i>Contraforma para hoja curva - sin cuchilla de goma - sin muelles</i>
0.01E/06	Controsagoma per anta arretrata con coltello guarnizione -supporto cava ferramenta regolabile - senza molle <i>Counter profile for offset leaf with gasket knife - adjustable ironmongery support - without springs</i> <i>Contraforma para hoja recta - con cuchilla para goma - con alojamiento incorporado regulable - sin muelles</i>

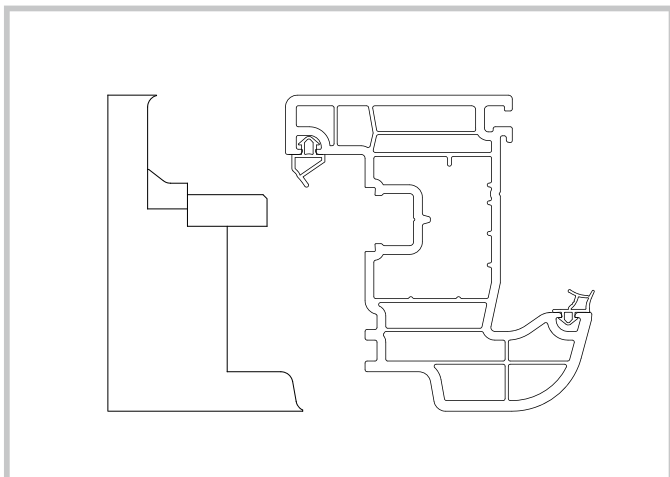
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🇮🇹 Controsagome in alluminio per la saldatura **SERIE ECO**

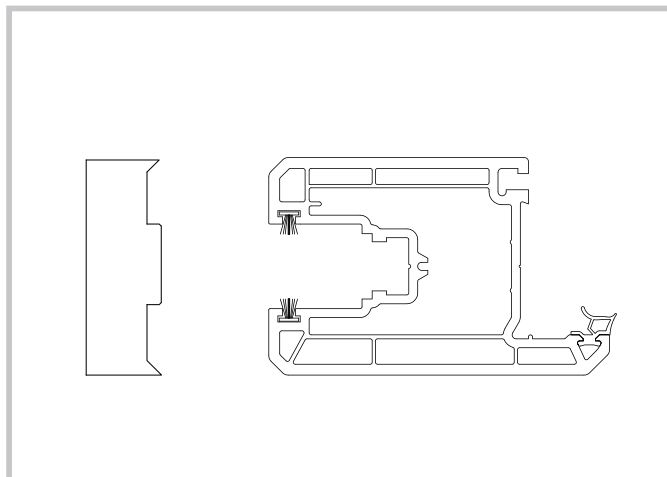
🇬🇧 *Aluminium counterprofiles for welding **SERIES ECO***

🇪🇸 *Contraformas en aluminio para soldar **SERIE ECO***

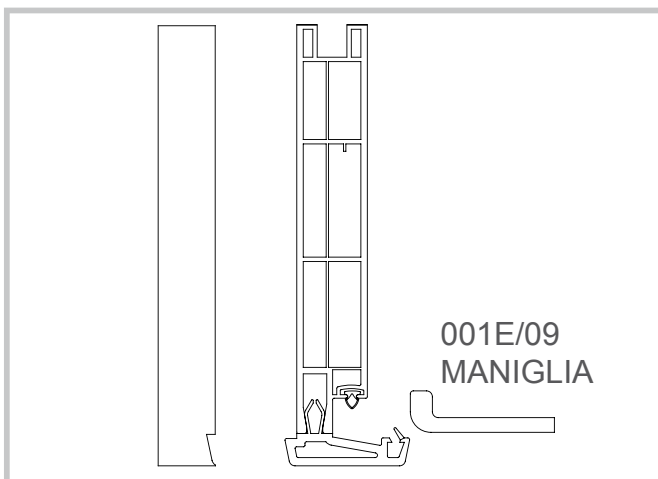
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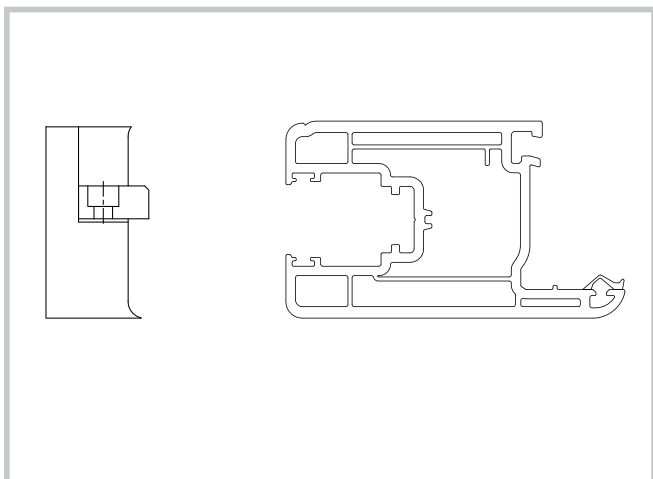
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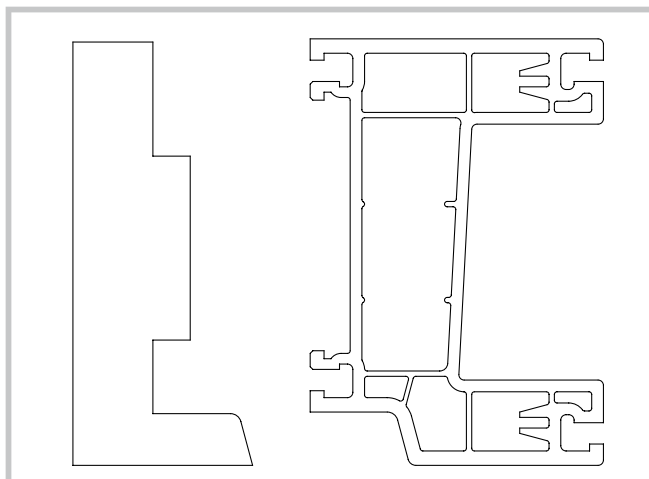
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0.01E/10



0.01E/11



0.01E

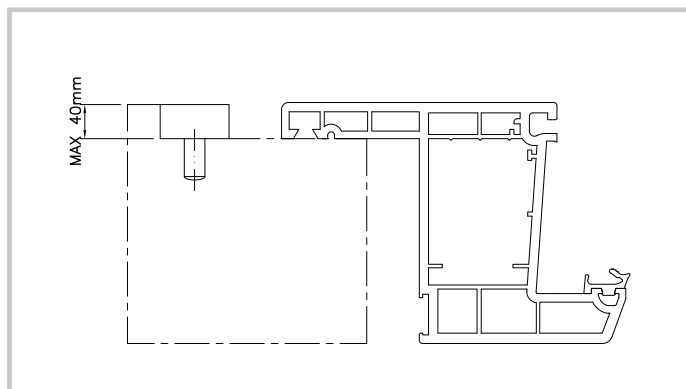
-  **Controsagome in alluminio per la saldatura SERIE ECO**
-  **Aluminium counterprofiles for welding SERIES ECO**
-  **Contraformas en aluminio para soldar SERIE ECO**

Articolo Article/ Artículo	Descrizione Description/Descripción
0.01E/07	Controsagoma per anta semicomplanare con coltello guarnizione - supporto cava ferramenta regolabile - senza molle <i>Counter profile for flush fitted leaf with gasket knife - adjustable ironmongery support - without springs</i> <i>Contraforma para hoja redonda - con cuchilla para goma - con alojamiento incorporado regulable - sin muelles</i>
0.01E/08	Controsagoma semplice per anta scorrevole <i>Counter profile for sliding leaf</i> <i>Contraforma para hoja corredera</i>
0.01E/09	Controsagoma per saldatura profili cassonetto <i>Counter profile for welding shutter box profiles</i> <i>Contraforma para soldar caja persiana perfiles</i>
0.01E/09/M	MANIGLIA Sostegno per saldatura profili cassonetto con ferma-pannello <i>Support handle for welding shutter box profiles with panel-holder</i> <i>Mango de soporte para soldadura de caja persiana perfiles</i>
0.01E/10	Controsagoma semplice per anta scorrevole con supporto cava ferramenta regolabile <i>Simple welding block for sliding door, with adjustable hardware hinge hollow support</i> <i>Contraforma para hoja corredera con alojamiento incorporado regulable</i>
0.01E/11	Controsagoma fissa sagomata con piu' gradini per profili vari <i>Fixed-shape counter profile with levels for various profiles</i> <i>Contraforma fija moldeada con más pasos para perfiles de varios tipos</i>

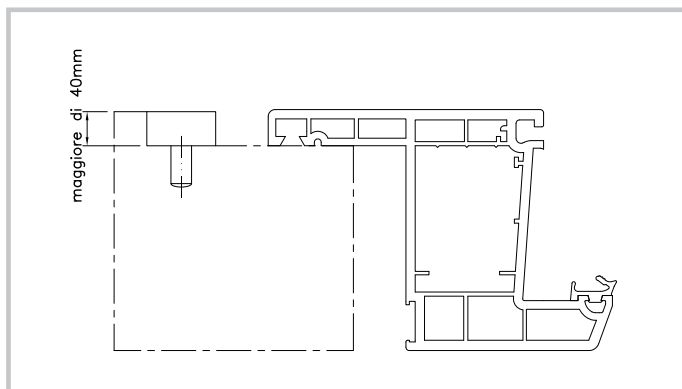
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- 🇮🇹 Elementi aggiuntivi alle controsagome
- 🇬🇧 Additional elements to counterprofiles
- 🇩🇪 Elementos complementarios para contraformas

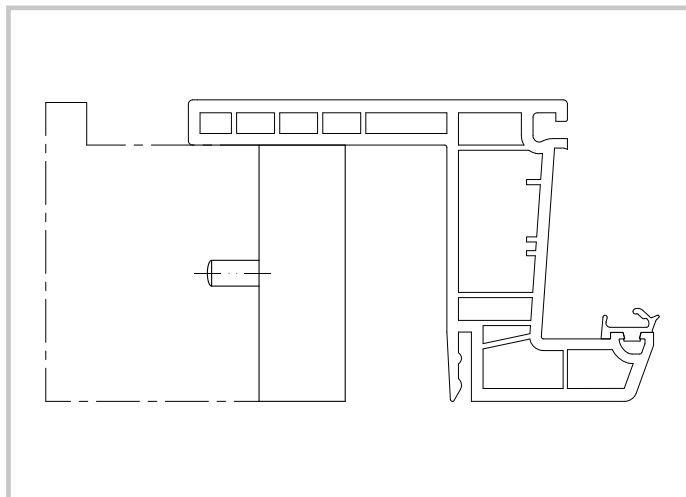
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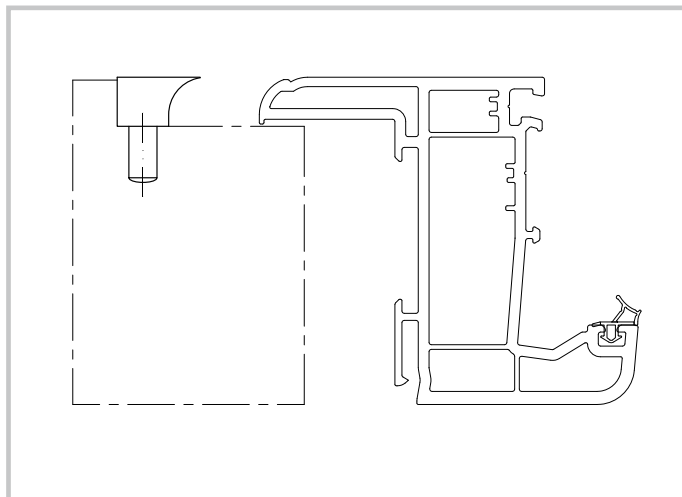
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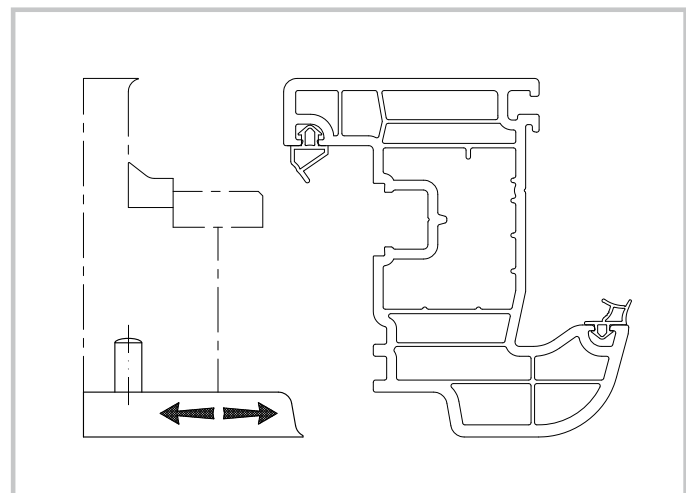
MOD0002



MOD0003



PIA0001



0.01EA

-  **Elementi aggiuntivi alle controsagome**
-  **Additional elements to counterprofiles**
-  **Elementos complementarios para contraformas**

Articolo <i>Article/Articulo</i>	Descrizione <i>Description/Descripción</i>
MOD00.01	Modulo addizionale rettangolare di altezza massima 40mm abbinato al telaio fissato con viti <i>Additional rectangular modular unit with a maximum height of 40mm, combined with the frame and fastened with screws</i> <i>Modulo adicional rectangular con una altura máxima de 40 mm conjunto de marco fijado con tornillos</i>
MOD00.01B	Modulo addizionale rettangolare di altezza maggiore di 40mm abbinato al telaio fisso con viti <i>Additional rectangular modular unit with height greater than 40mm, combined with the frame and fastened with screws</i> <i>Modulo adicional rectangular con una altura superior a 40 mm conjunto de marco fijado con tornillos</i>
MOD00.02	Modulo addizionale rettangolare laterale abbinato al telaio fissato con viti <i>Additional rectangular lateral unit combined with frame fixed by screws</i> <i>Modulo adicional rectangular lateral conjunto de marco fijado con tornillos</i>
MOD00.03	Modulo addizionale sagomato superiore abbinato al telaio fissato con viti <i>Additional rectangular shaped top unit combined with frame fixed by screws</i> <i>Modulo adicional curvo superior conjunto de marco fijado con tornillos</i>
PIA00.01	Piattello inferiore regolabile per anta semicomplanare <i>Lower plate adjustable for half-surface wing</i> <i>Pletina inferior regulable para marco</i>

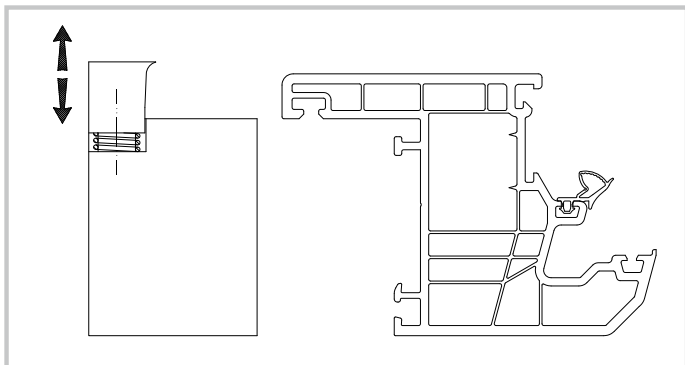
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🇮🇹 Controsagome in alluminio per la saldatura SERIE PERFORMANCE

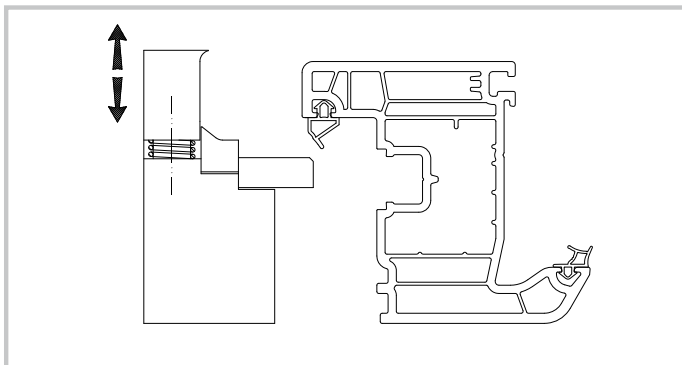
🇬🇧 Aluminium counterprofiles for welding PERFORMANCE SERIES

🇪🇸 Contraformas en aluminio para soldar SERIE PERFORMANCE

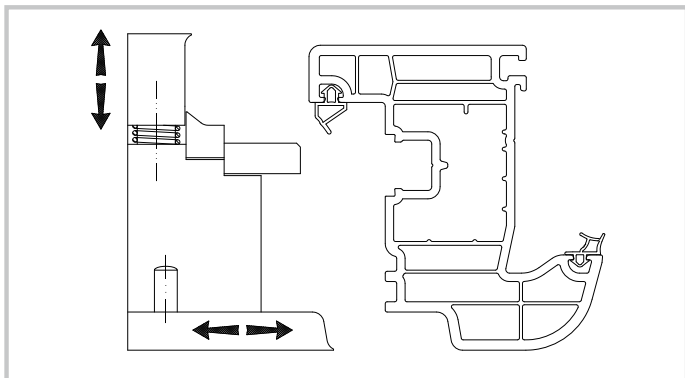
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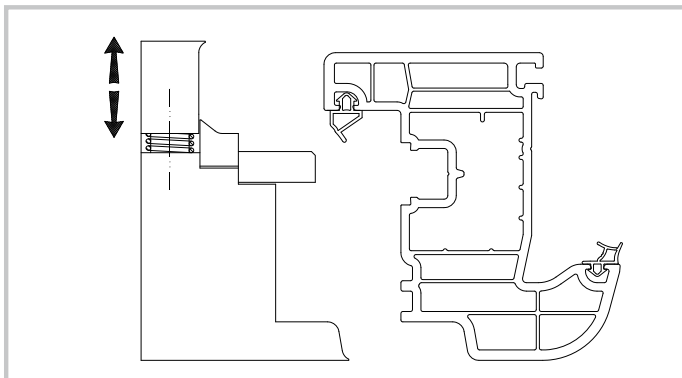
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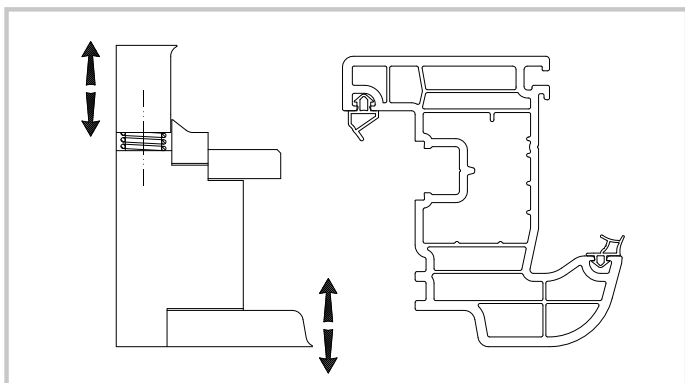
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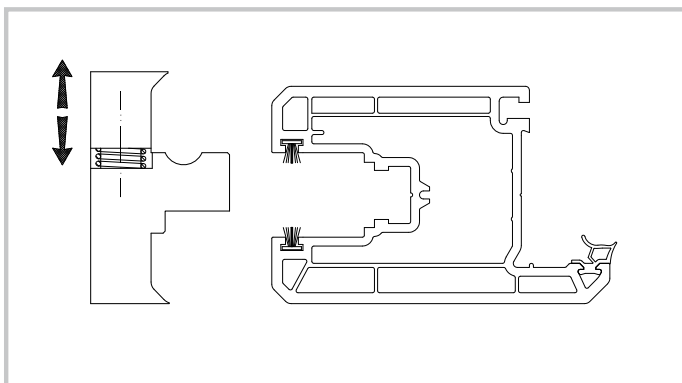
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0.02P/05



0.02P/07



0.02P

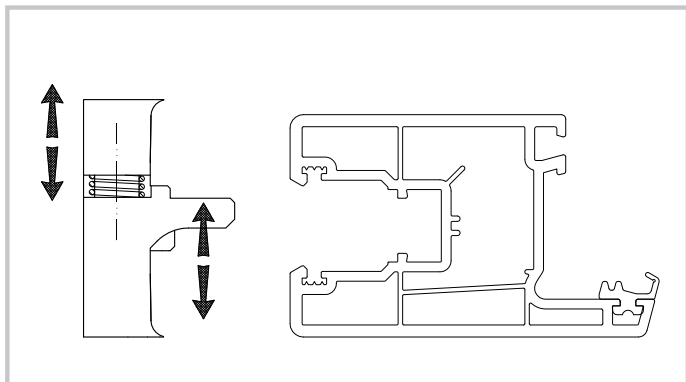
-  **Controsagome in alluminio per la saldatura SERIE PERFORMANCE**
 **Aluminium counterprofiles for welding PERFORMANCE SERIES**
 **Contraformas en aluminio para soldar SERIE PERFORMANCE**

Articolo Article/Articulo	Descrizione Description/Descripción
0.02P/01	Controsagoma per telaio a “Z” con molle Counterprofile for “Z” shape window frame with springs Contraforma para marco con solape con muelles
0.02P/02	Controsagoma per anta arretrata con molle - coltello guarnizione - supporto cava ferramenta regolabile Counterprofile for offset leaf with springs, gasket knife, adjustable ironmongery support Contraforma para hoja recta con muelles - cuchilla para goma - con alojamiento incorporado regulable
0.02P/03	Controsagoma per anta semicomplanare con molle - coltello guarnizione - supporto cava ferramenta regolabile- piattello inferiore regolabile Welding block for rounded exterior door with springs, gasket knife, adjustable hardware hinge hollow support and adjustable lower metalplate Contraforma para hoja redonda con muelles- cuchilla para goma - con alojamiento incorporado regulable
0.02P/04	Controsagoma per anta semicomplanare con molle - coltello guarnizione- supporto cava ferramenta regolabile Welding block for rounded exterior door with springs, gasket knife and adjustable hardware hinge hollow support Contraforma para hoja redonda con muelles- cuchilla para goma - con alojamiento incorporado regulable
0.02P/05	Controsagoma per anta semicomplanare con molle - coltello guarnizione - supporto cava ferramenta regolabile- piattello inferiore con molle Welding block for rounded exterior door with springs, gasket knife, adjustable hardware hinge hollow support and adjustable lower metal plate Contraforma para hoja redonda con muelles- cuchilla para goma - con alojamiento incorporado regulable - pletina inferior con muelles
0.02P/07	Controsagoma per anta scorrevole con molle Counterprofile for sliding leaf with springs Contraforma para hoja corredera con muelles

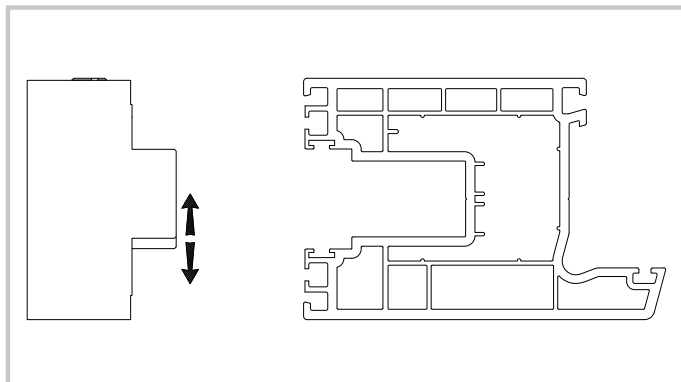
0.02P

- 🇮🇹 Controsagome in alluminio per la saldatura SERIE PERFORMANCE
- 🇬🇧 Aluminium counterprofiles for welding PERFORMANCE SERIES
- 🇪🇸 Contraformas en aluminio para soldar SERIE PERFORMANCE

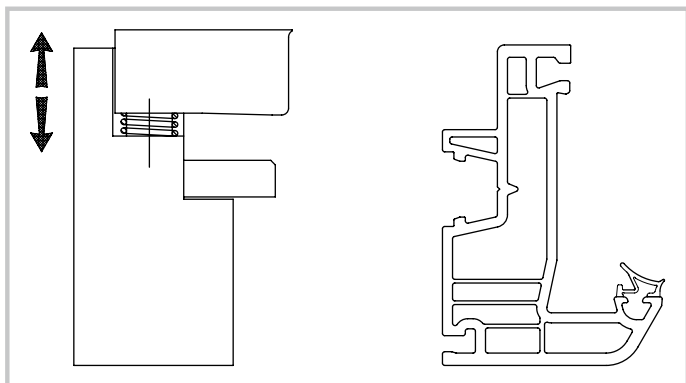
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0.02P/09



0.02P/10



0.02P

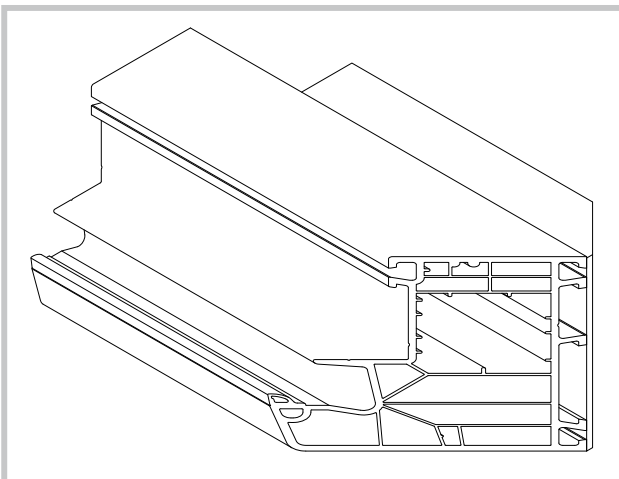
-  **Controsagome in alluminio per la saldatura SERIE PERFORMANCE**
 **Aluminium counterprofiles for welding PERFORMANCE SERIES**
 **Contraformas en aluminio para soldar SERIE PERFORMANCE**

Articolo <i>Article/Articulo</i>	Descrizione <i>Description/Descripción</i>
0.02P/08	Controsagoma per anta scorrevole con molle e meccanismo interno a pressione per il bloccaggio della battuta inferiore <i>Counterprofile for sliding leaf with springs and internal pressure mechanism for blocking the lower stop</i> <i>Contraforma para hoja corredera con muelles y dispositivo interno a presión para bloquear el tope inferior</i>
0.02P/09	Controsagoma per anta scorrevole con meccanismo interno a pressione per il bloccaggio della battuta inferiore <i>Welding block for sliding door, with pressure internal mechanism for the locking of the lower frame</i> <i>Contraforma para hoja corredera con mecanismo de presión interno para bloquear la parada inferior</i>
0.02P/10	Controsagoma per profilo scambio battuta <i>Welding block for profiles for frame exchange</i> <i>Contraforma para perfiles hoja STULP</i>

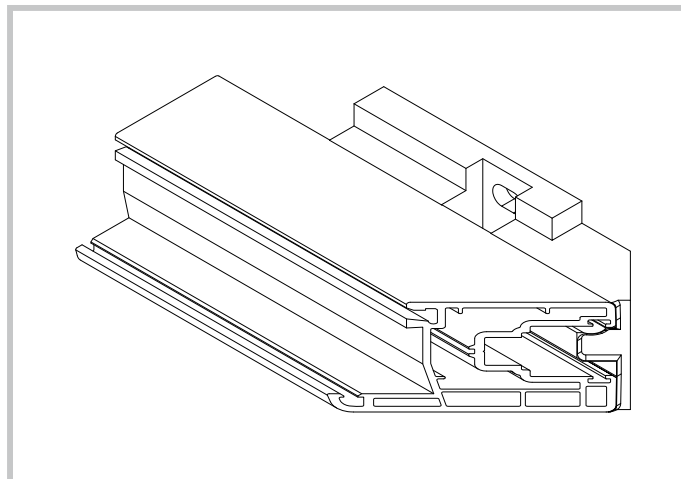
0.03A/4T GRAF SYNERGY (TIPO SL6Q-SL4Q)

- 🇮🇹 Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
- 🇪🇸 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

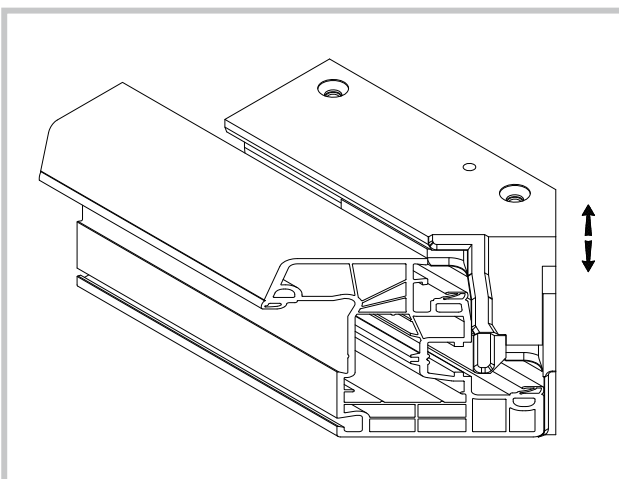
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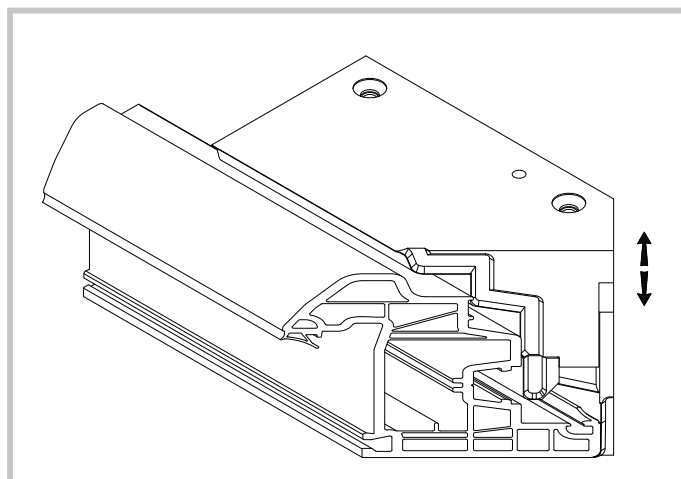
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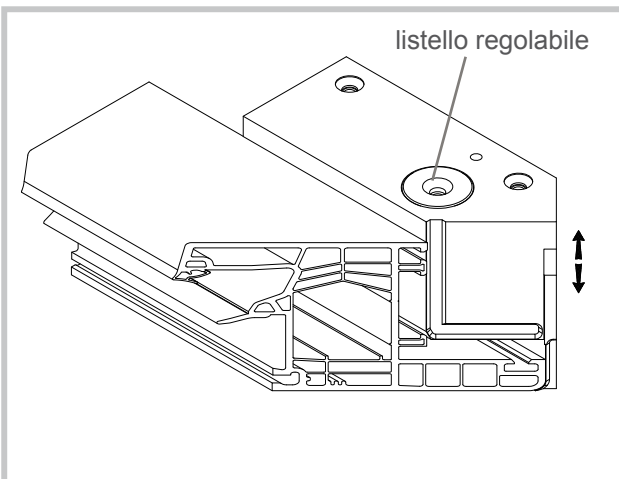
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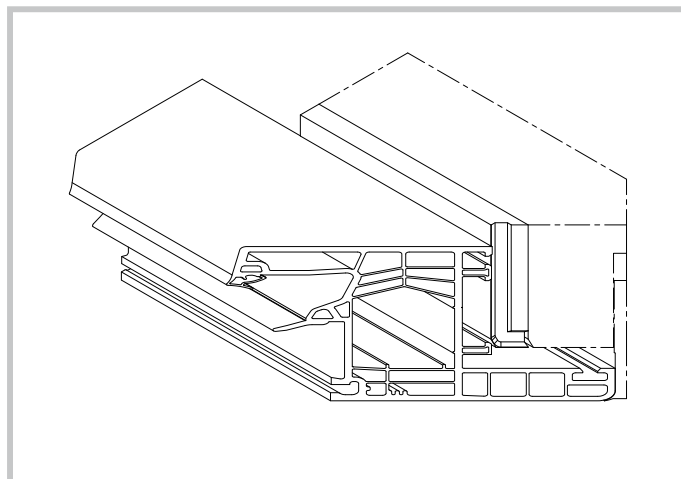
0.03A4T/04



0.03A4T/05



0.03A4T/05 modulo/modular unit



0.03A/4T GRAF SYNERGY (TIPO SL6Q-SL4Q)

-  Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
-  Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
-  Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

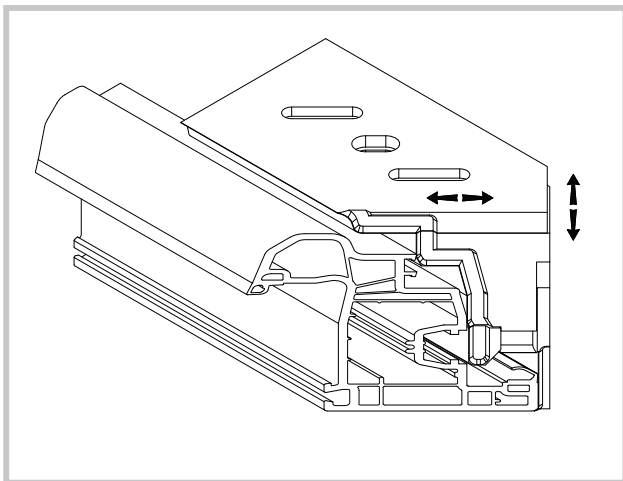
GRAF SYNERGY (TIPO SL6Q-SL4Q)

Articolo Article/Articulo	Descrizione Description/Descripción
0.03A4T/01	Controsagome fisse per telaio a "L" Counterprofiles for "L" shape window frame Contraformas fijas para marco
0.03A4T/02	Controsagoma fissa per anta scorrevole e profili tipo cassonetto, ecc. Fixed shaped welding block for sliding door and profiles like rolling shutter casing, etc. Contraforma fijas moldeadas para hoja corredera y perfil como cajón de la persiana etc.
0.03A4T/03	Controsagome in due pezzi con molle per anta arretrata con coltello guarnizione Counterprofiles in two pieces with springs for offset leaf with gasket knife Contraformas en dos piezas con muelles para hoja recta con cuchilla para goma
0.03A4T/04	Controsagome in due pezzi con molle per anta semicomplanare con coltello guarnizione Welding blocks in two pieces with springs, for rounded exterior door with gasket knife Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma
0.03A4T/05	Controsagome in due pezzi con molle per telaio a "Z" Counterprofiles in two pieces with springs for window frame "Z" shape Contraformas en dos piezas con muelles para marco con en forma de "Z"
0.03A4T/05 modulo	Modulo laterale per telaio "Z" da applicare a 0034T/05 Lateral modular unit for "Z" shape frame, to be applied to 0034T/05 Modulo lateral para marco con en forma de "Z" para aplicar a 0034T/05

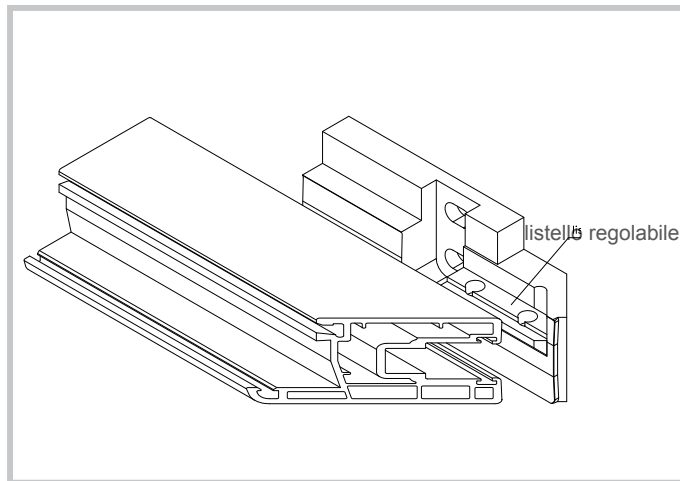
0.03A/4T GRAF SYNERGY (TIPO SL6Q-SL4Q)

- 🇮🇹 Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
- 🇪🇸 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

0.03A4T/06



0.03A4T/07



0.03A/4T GRAF SYNERGY (TIPO SL6Q-SL4Q)

- 🇮🇹 Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
- 🇩🇪 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

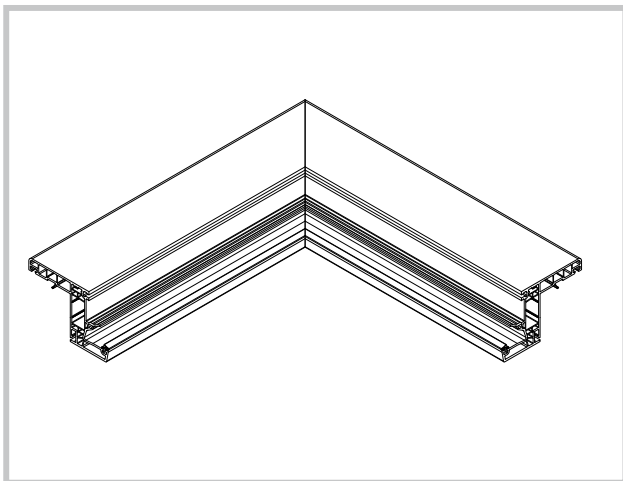
GRAF SYNERGY (TIPO SL6Q-SL4Q)

Articolo <i>Article/Articulo</i>	Descrizione <i>Description/Descripción</i>
0.03A4T/06	Controsagoma in due pezzi con molle per anta semicomplanare con coltello guarnizione e piattello superiore regolabile <i>Welding block in two pieces with springs, for rounded exterior door with gasket knife and adjustable lower metal plate</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma y pletina superior regulable</i>
0.03A4T/07	Controsagoma fissa per anta scorrevole con supporto cava ferramenta regolabile <i>Fixed welding block for sliding door, with adjustable hardware hinge hollow support</i> <i>Contraforma fijas para hoja corredera con alojamiento incorporado regulable</i>

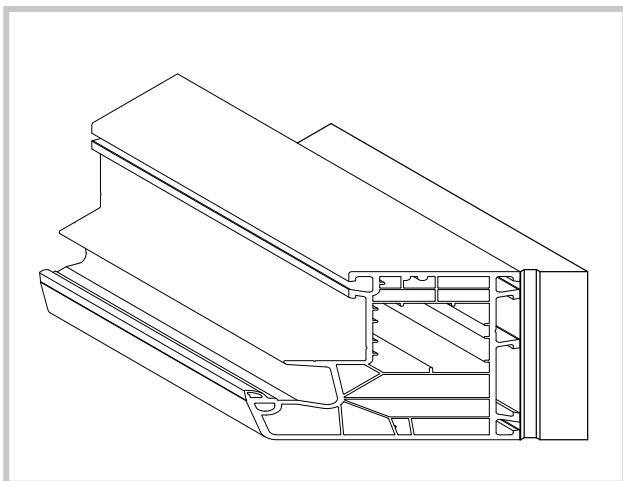
0.03B/4T PROFTEQ (TIPO QUADOS LINK 90.45)

- 🇮🇹 Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
- 🇪🇸 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

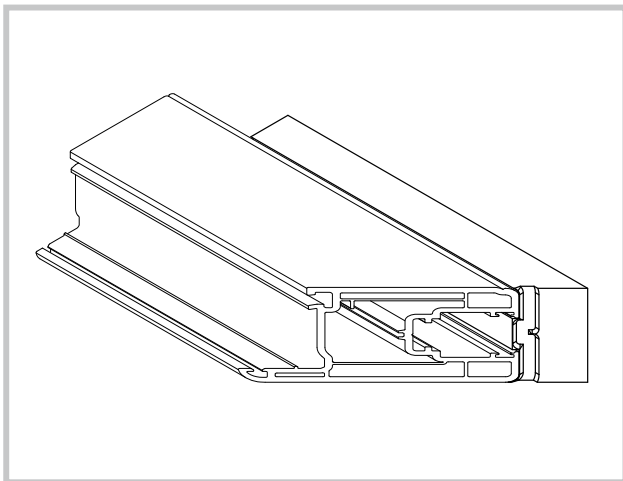
SALDATURA 45°



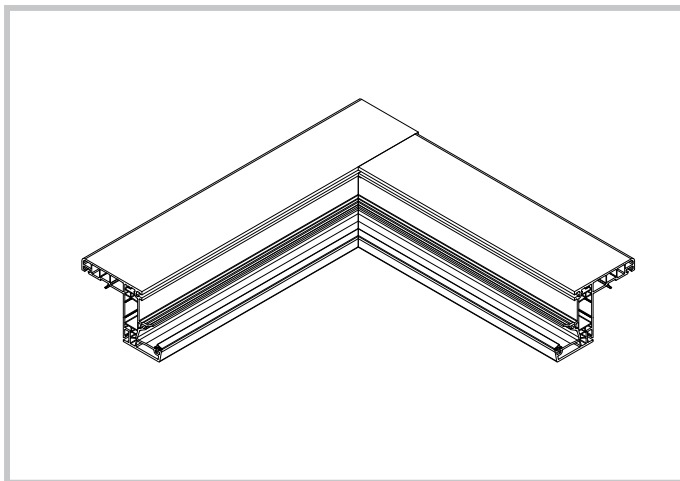
0.03B4T/01



0.03B4T/02



SALDATURA 90° *



*** PER SALDATURA 90° AGGIUNGERE IL COLTELLO ARTICOLO COL0001**

** For 90° welding add the knife article COL0001*

** Para soldadura de 90° agregue el artículo de cuchillo COL 0001*

0.03B/4T PROFTEQ (TIPO QUADOS LINK 90.45)

- 🇮🇹 Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
- 🇪🇸 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

PROFTEQ (TIPO QUADOS)

Articolo <i>Article/Articulo</i>	Descrizione <i>Description/Descripción</i>
0.03B4T/01	Controsagome fisse per telaio a “L” <i>Counterprofiles for “L” shape window frame</i> <i>Contraformas fijas para marco</i>
0.03B4T/02	Controsagome fisse per anta scorrevole e profili tipo cassonetto. <i>Fixed shaped welding blocks for sliding door and profiles, like rolling shutter casing.</i> <i>Contraforma fijas moldeada para perfils hoja corredera y como cajón de la persiana.</i>

0.03B/4T PROFTEQ (TIPO QUADOS LINK 90.45)

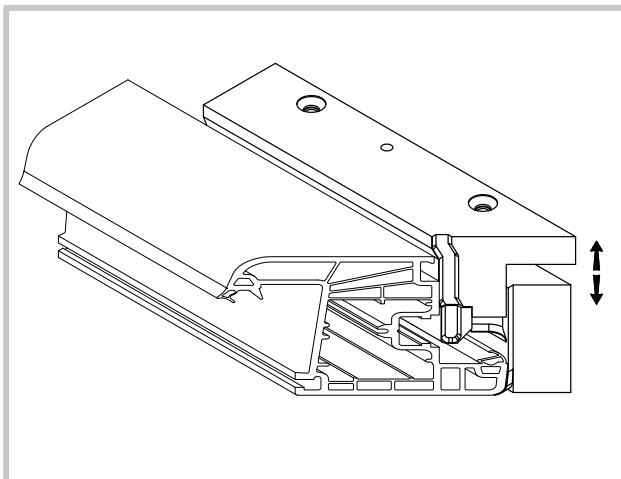
🇮🇹 Controsagome in alluminio per la saldatura

SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO

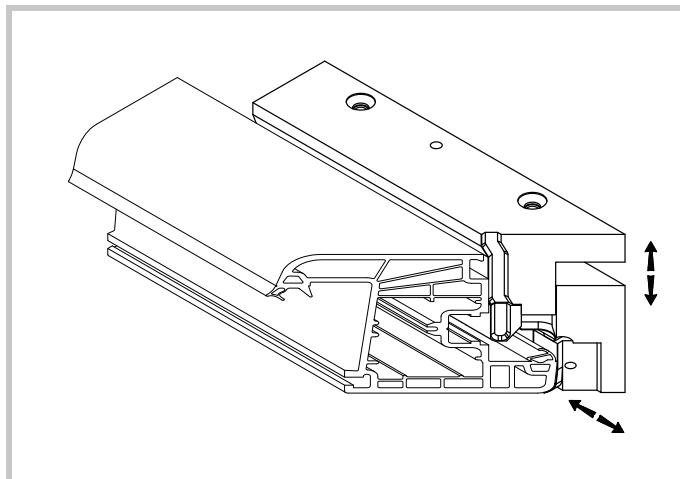
🇬🇧 Aluminium counterprofiles for welding **HI-TECH SERIES 4HEADS WITH REVERSE PLAN**

🇩🇪 Contraformas en aluminio para soldar **SERIE HI-TECH 4CABEZAS PLAN INVERTIDO**

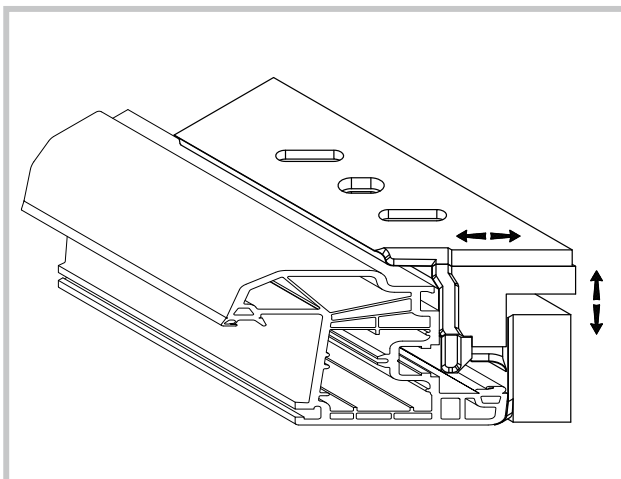
0.03B4T/03



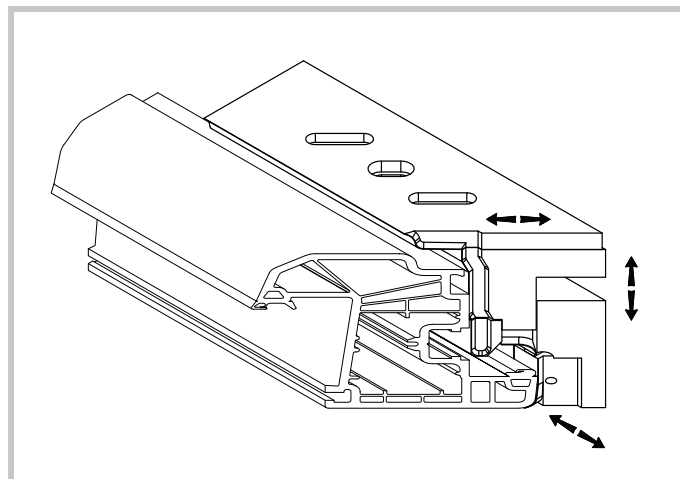
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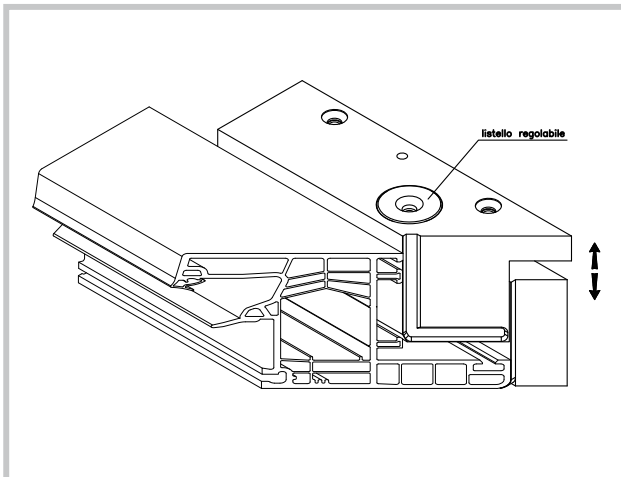
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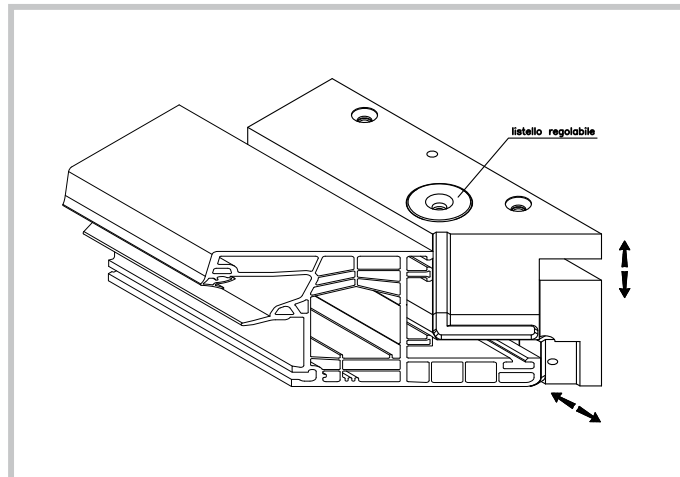
0.03B4T/04C



0.03B4T/05



0.03B4T/05C



0.03B/4T PROFTEQ (TIPO QUADOS LINK 90.45)

- 🇮🇹 Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
- 🇪🇸 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

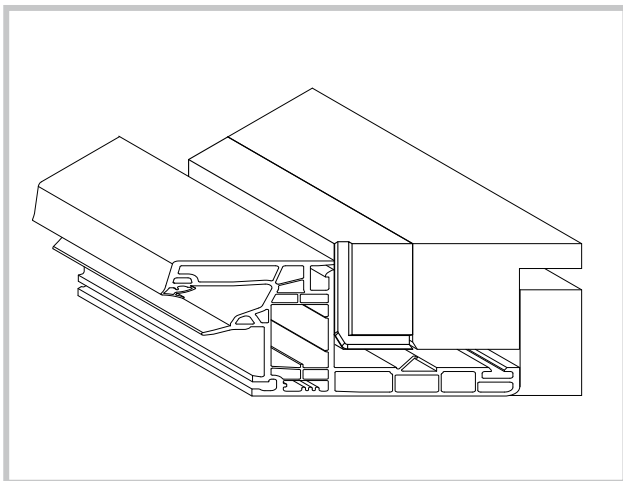
PROFTEQ (TIPO QUADOS)

Articolo <i>Article/Articulo</i>	Descrizione <i>Description/Descripcion</i>
0.03B4T/03	Controsagome in due pezzi con molle per anta arretrata con coltello guarnizione <i>Counterprofiles in two pieces with springs for offset leaf with gasket knife</i> <i>Contraformas en dos piezas con muelles para hoja recta con cuchilla para goma</i>
0.03B4T/03C	Controsagome in due pezzi con molle per anta arretrata con coltello guarnizione e coltello sagomato regolabile <i>Counterprofiles in two pieces with springs for offset leaf with gasket knife and adjustable shaped knife</i> <i>Contraformas en dos piezas con muelles para hoja recta con cuchilla para goma y cuchilla con forma y regulable</i>
0.03B4T/04	Controsagome in due pezzi con molle per anta semicomplanare con coltello guarnizione e piattello superiore regolabile <i>Welding blocks in two pieces with springs, for rounded exterior door with gasket knife and adjustable higher metal plate</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma y pletina superior regulable</i>
0.03B4T/04C	Controsagome in due pezzi con molle per anta semicomplanare con coltello guarnizione coltello sagomato regolabile e piattello superiore regolabile <i>Welding blocks in two pieces with springs, for rounded exterior door with gasket knife, profiled adjustable knife and adjustable higher metal plate</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma y cuchilla con forma y regulable y pletina superior regulable</i>
0.03B4T/05	Controsagome in due pezzi con molle per telaio a "Z" <i>Welding blocks in two pieces with springs for "Z" shape frame</i> <i>Contraforma en dos piezas con muelles para marco con en forma de "Z"</i>
0.03B4T/05C	Controsagome in due pezzi con molle per telaio a "Z" con coltello sagomato regolabile <i>Counterprofiles in two pieces with springs for window frame "Z" shape with adjustable shaped knife</i> <i>Contraformas en dos piezas con muelles para marco con solape con cuchilla con forma y regulable</i>

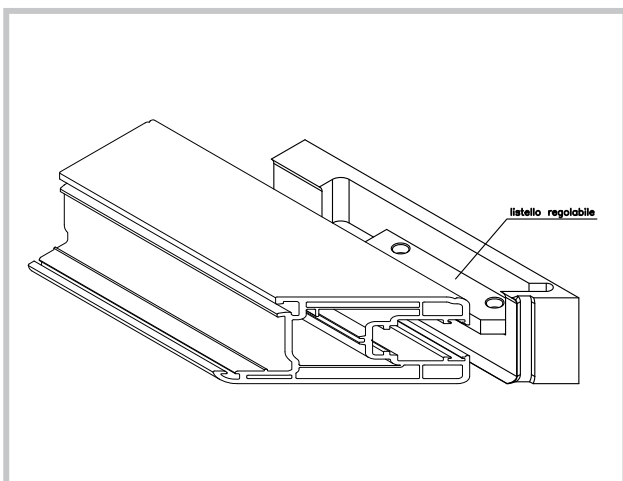
0.03B/4T PROFTEQ (TIPO QUADOS LINK 90.45)

- 🇮🇹 Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
- 🇩🇪 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

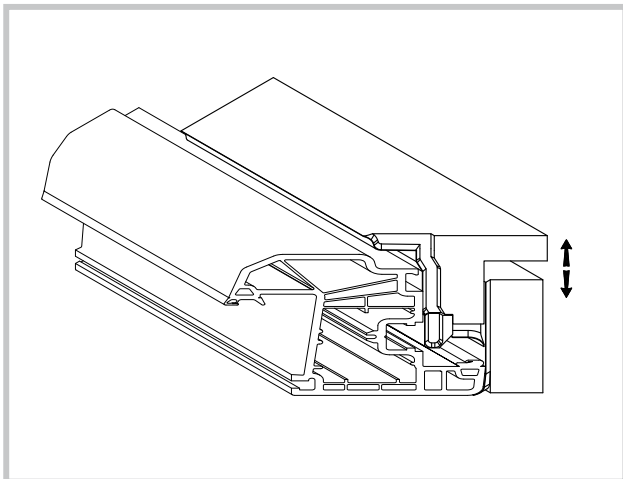
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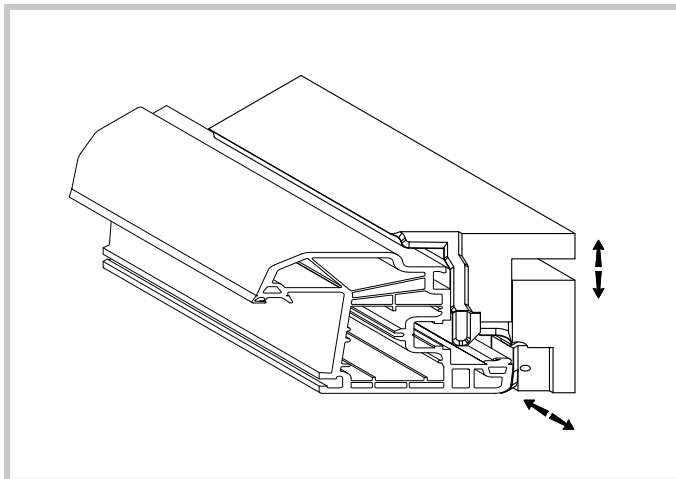
0.03B4T/07



0.03B4T/08



0.03B4T/08C



0.03B/4T PROFTEQ (TIPO QUADOS LINK 90.45)

-  Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
-  Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
-  Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

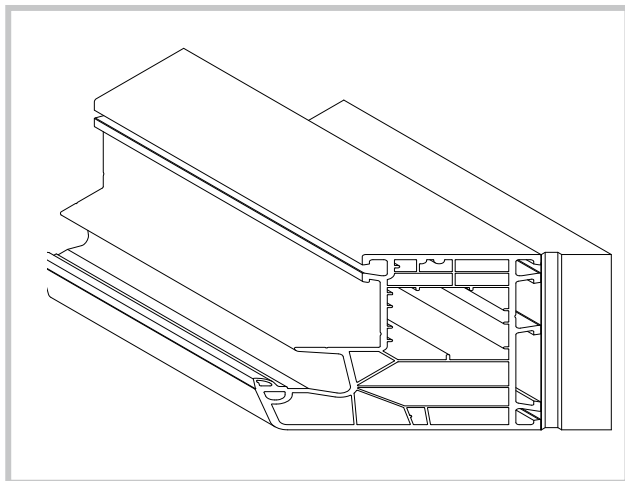
PROFTEQ (TIPO QUADOS)

Articolo Article/Articulo	Descrizione Description/Descripción
0.03B4T/05 modulo	Modulo laterale per telaio “Z” da applicare a 003B4T/05-05C <i>Lateral modular unit for “Z” shape frame, to be applied to 003B4T/05-05C</i> <i>Modulo lateral para marco con en forma de “Z” para aplicare a 003B4T/05-05C</i>
0.03B4T/07	Controsagoma fissa per anta scorrevole con supporto cava ferramenta regolabile <i>Controsagoma fissa per anta scorrevole con supporto cava ferramenta regolabile</i> <i>Controsagoma fissa per anta scorrevole con supporto cava ferramenta regolabile</i>
0.03B4T/08	Controsagoma in due pezzi con molle per anta semicomplanare con coltello guarnizione <i>Welding block in two pieces with springs for rounded exterior door, with gasket knife</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma</i>
0.03B4T/08C	Controsagoma in due pezzi con molle per anta semicomplanare con coltello guarnizione e coltello sagomato regolabile <i>Welding block in two pieces with springs, for rounded exterior door with gasket knife and profiled adjustable knife</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma y cuchilla con forma regulable</i>

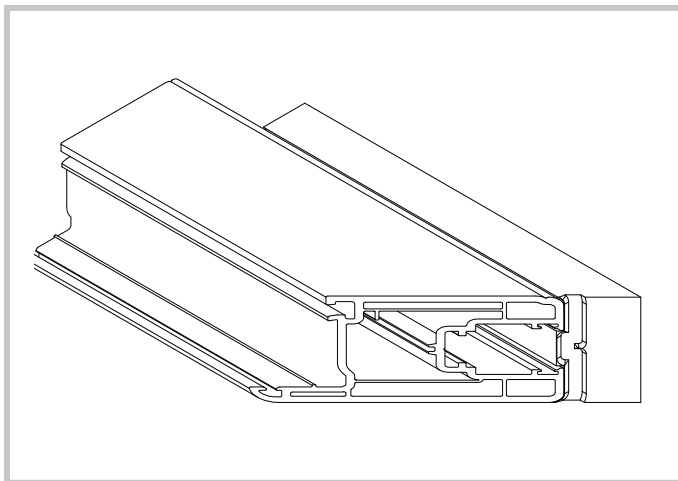
0.03C/4T ROTOX

- 🇮🇹 Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
- 🇩🇪 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

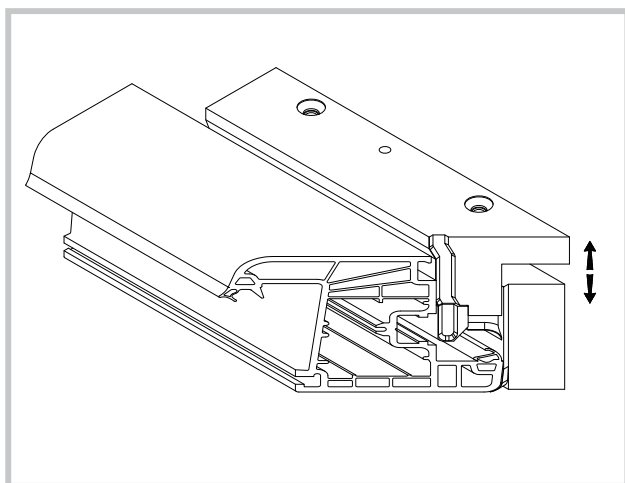
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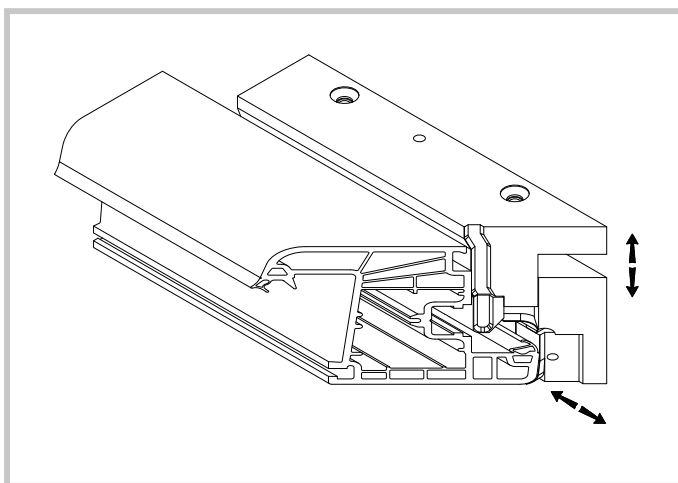
0.03C4T/02



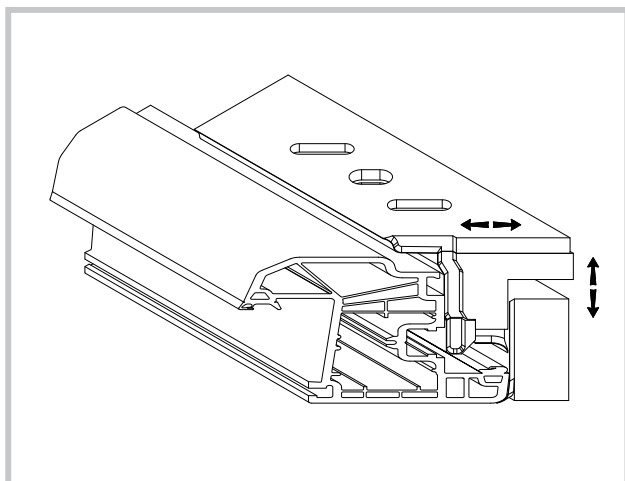
0.03C4T/03



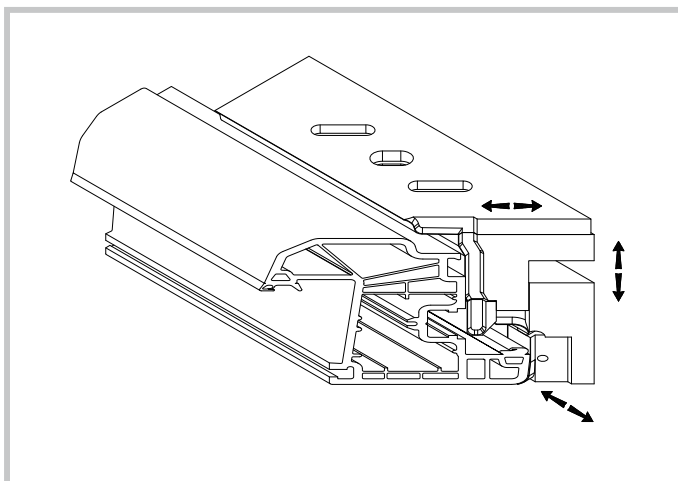
0.03C4T/03C



0.03C4T/04



0.03C4T/04C



0.03C/4T ROTOX

- Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
- Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
- Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

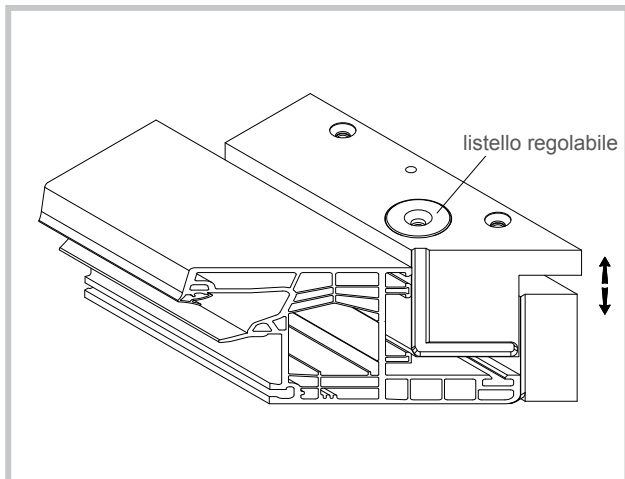
ROTOX

Articolo Article/Articulo	Descrizione Description/Descripción
0.03C4T/01	Controsagome fisse per telaio a "L" Counterprofiles for "L" shape window frame Contraformas fijas para marco
0.03C4T/02	Controsagome fisse per anta scorrevole e profili tipo cassonetto. Fixed shaped welding blocks for sliding door and profiles like rolling shutter casing. Contraforma fijas moldeada para perfils hoja corredera y cajón de la persiana.
0.03C4T/03	Controsagome in due pezzi con molle per anta arretrata con coltello guarnizione Counterprofiles in two pieces with springs for offset leaf with gasket knife Contraformas en dos piezas con muelles para hoja recta con cuchilla para goma
0.03C4T/03C	Controsagome in due pezzi con molle per anta arretrata con coltello guarnizione e coltello sagomato regolabile Counterprofiles in two pieces with springs for offset leaf with gasket knife and adjustable shaped knife Contraformas en dos piezas con muelles para hoja recta con cuchilla para goma y cuchilla con forma y regulable
0.03C4T/04	Controsagome in due pezzi con molle per anta semicomplanare con coltello guarnizione e piattello superiore regolabile Welding blocks in two pieces with springs, for rounded exterior door with gasket knife and adjustable higher metal plate Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma y pletina superior regulable
0.03C4T/04C	Controsagome in due pezzi con molle per anta semicomplanare con coltello guarnizione coltello sagomato regolabile e piattello superiore regolabile Welding blocks in two pieces with springs, for rounded exterior door with gasket knife, profiled adjustable knife and adjustable higher metal plate Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma con cuchilla con forma y regulable y pletina superior regulable

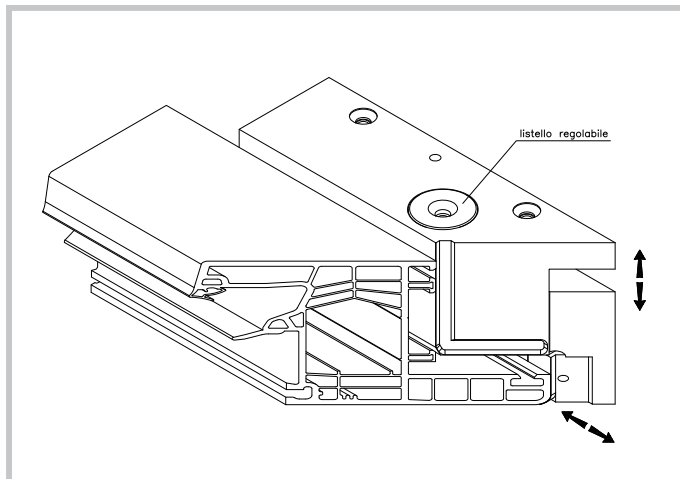
0.03C/4T ROTOX

- 🇮🇹 Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
- 🇩🇪 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

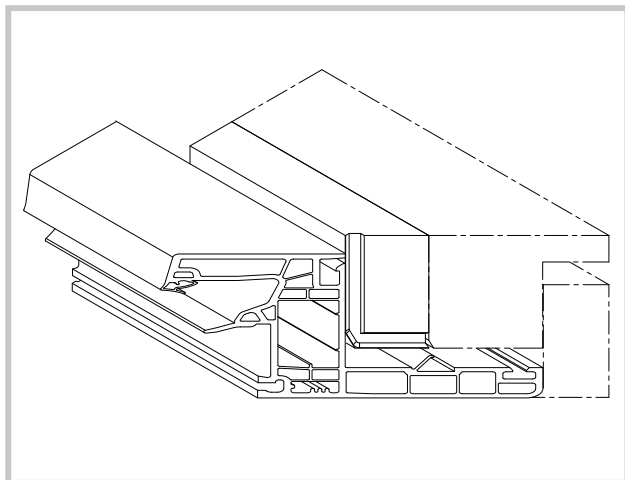
0.03C4T/05



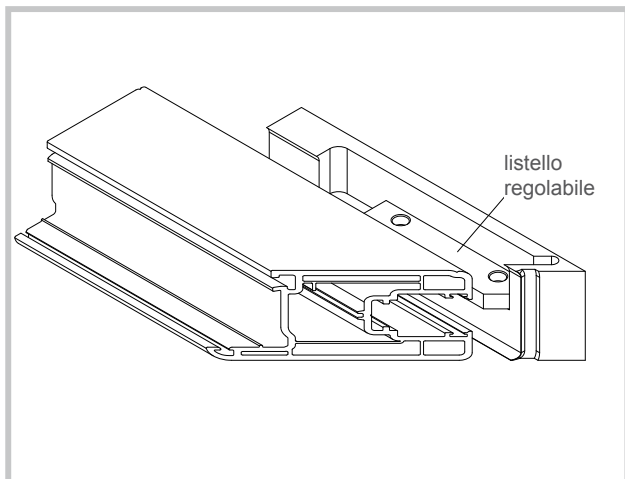
0.03C4T/05C



0.03C4T/05 modulo / modular unit



0.03C4T/07



0.03C/4T ROTOX

- 🇮🇹 Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
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- 🇪🇸 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

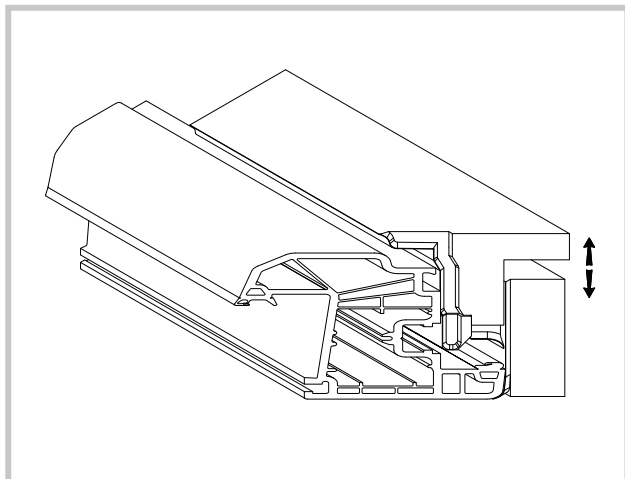
ROTOX

Articolo Article/Articulo	Descrizione Description/Descripción
0.03C4T/05	Controsagome in due pezzi con molle per telaio a "Z" <i>Welding blocks in two pieces with springs for "Z" shape frame</i> <i>Contraforma en dos piezas con muelles para marco con en forma de "Z"</i>
0.03C4T/05C	Controsagome in due pezzi con molle per telaio a "Z" con coltello sagomato regolabile <i>Counterprofiles in two pieces with springs for window frame "Z" shape with adjustable shaped knife</i> <i>Contraformas en dos piezas con muelles para marco con solape con cuchilla con forma y regulable</i>
0.03C4T/05 modulo	Modulo laterale per telai "Z" da applicare a 003C4T/05-05C <i>Lateral modular unit for "Z" shape frame, to be applied to 003C4T/05-05C</i> <i>Modulo lateral para marco con en forma de "Z" para aplicare a 003C4T/05-05C</i>
0.03C4T/07	Controsagoma fissa per anta scorrevole con supporto cava ferramenta regolabile <i>Fixed welding block for sliding door, with adjustable hardware hinge hollow support</i> <i>Contraforma fija para hoja corredera con alojamiento incorporado regulable</i>

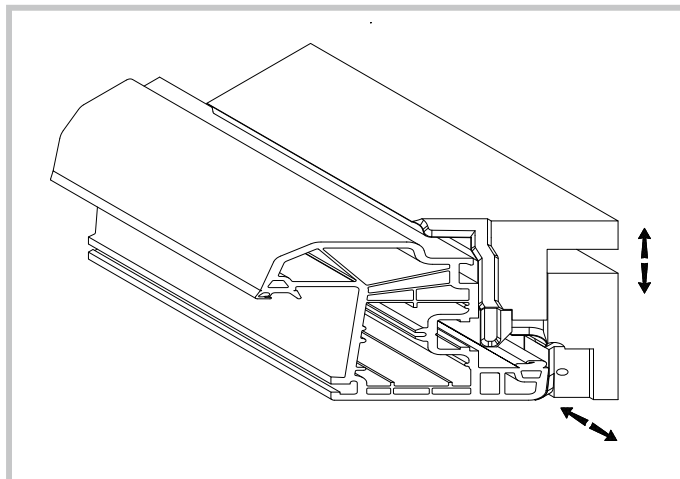
0.03C/4T ROTOX

- 🇮🇹 Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
- 🇩🇪 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

0.03C4T/08



0.03C4T/08C



0.03C/4T ROTOX

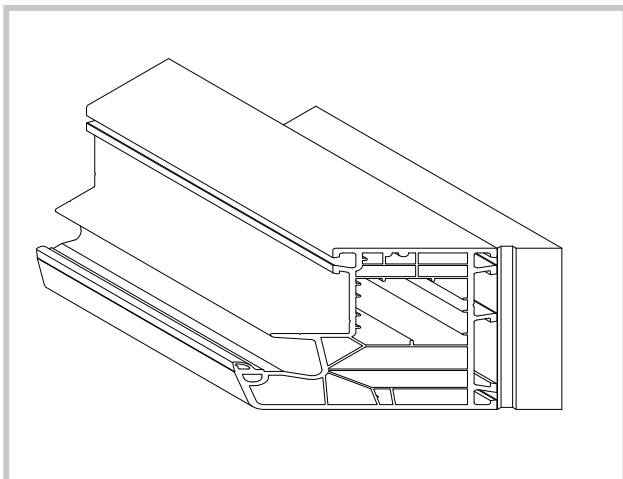
-  Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
-  Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
-  Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

Articolo Article/Articulo	Descrizione Description/Descripción
0.03C4T/08	Controsagoma in due pezzi con molle per anta semicomplanare con coltello guarnizione <i>Welding block in two pieces with springs, for rounded exterior door with gasket knife</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma</i>
0.03C4T/08C	Controsagoma in due pezzi con molle per anta semicomplanare con coltello guarnizione e coltello sagomato regolabile <i>Welding block in two pieces with springs, for rounded exterior door with gasket knife and profiled adjustable knife</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma y cuchilla con forma y regulable</i>

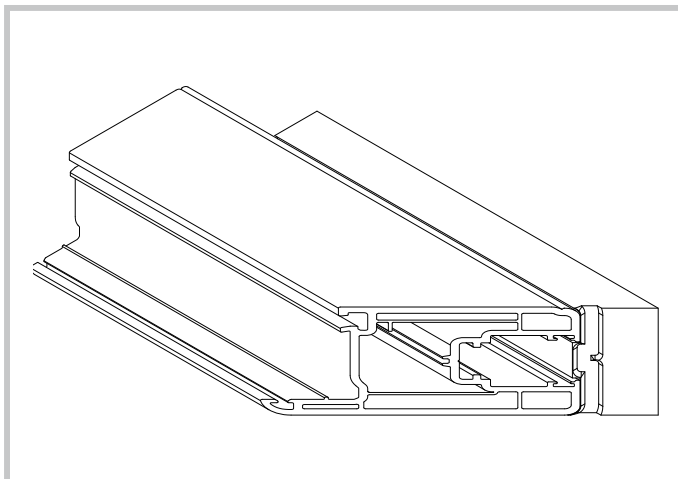
0.03D/4T SOENEN

- 🇮🇹 Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
- 🇩🇪 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

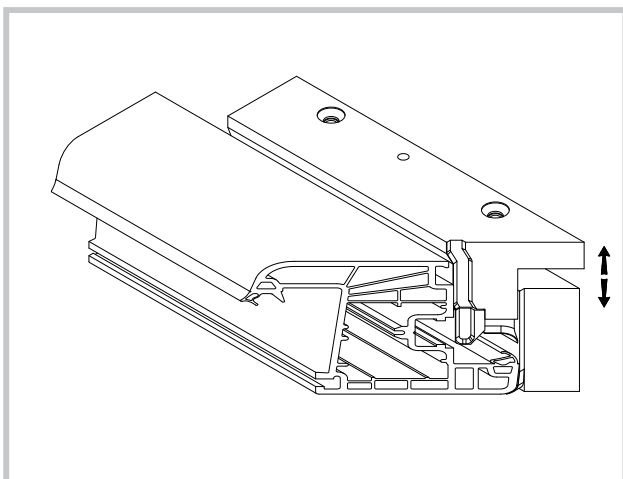
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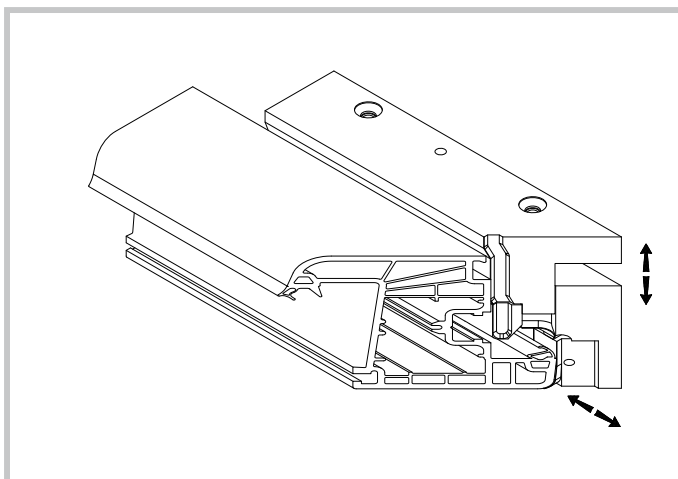
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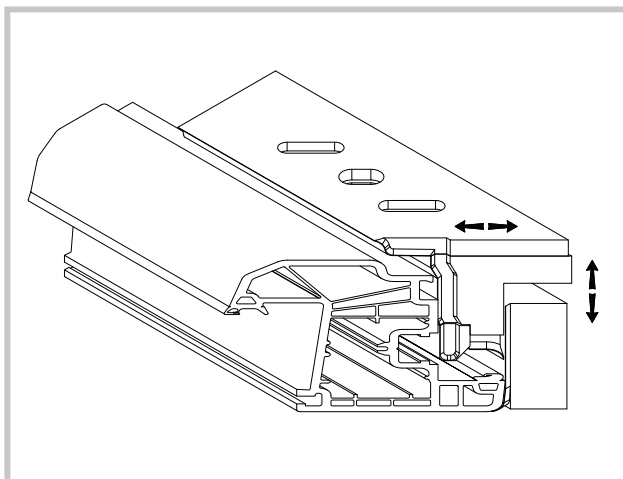
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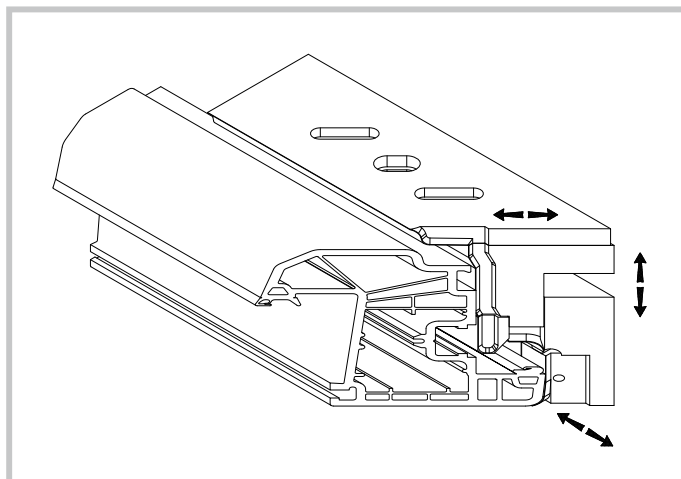
0.03D4T/03C



0.03D4T/04



0.03D4T/04C



0.03D/4T SOENEN

-  Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
-  Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
-  Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

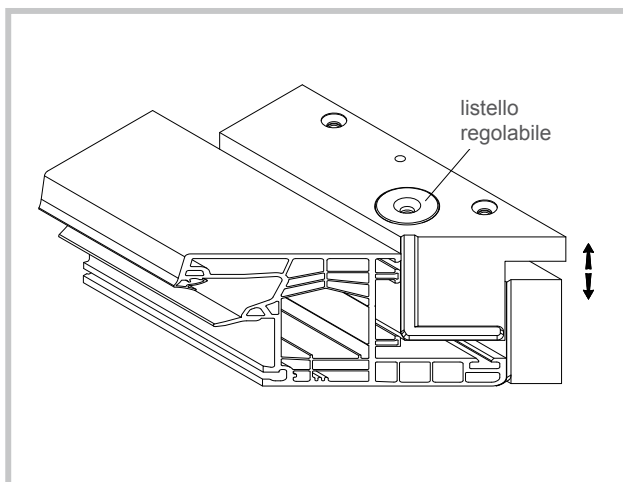
SOENEN

Articolo Article/Articulo	Descrizione Description/Descripción
0.03D4T/01	Controsagome fisse per telaio a "L" Counterprofiles for "L" shape window frame Contraformas fijas para marco
0.03D4T/02	Controsagome fisse per anta scorrevole e profili tipo cassonetto, ecc. Fixed shaped welding blocks for sliding door and profiles like rolling shutter casing, etc. Contraforma fijas moldeada para hoja correderay perfils como cajón de la persiana, etc.
0.03D4T/03	Controsagome in due pezzi con molle per anta arretrata con coltello guarnizione Counterprofiles in two pieces with springs for offset leaf with gasket knife Contraformas en dos piezas con muelles para hoja recta con cuchilla para goma
0.03D4T/03C	Controsagome in due pezzi con molle per anta arretrata con coltello guarnizione e coltello sagomato regolabile Counterprofiles in two pieces with springs for offset leaf with gasket knife and adjustable shaped knife Contraformas en dos piezas con muelles para hoja recta con cuchilla para goma y cuchilla con forma y regulable
0.03D4T/04	Controsagome in due pezzi con molle per anta semicomplanare con coltello guarnizione e piattello superiore regolabile Welding blocks in two pieces with springs, for rounded exterior door with gasket knife and adjustable higher metal plate Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma y pletina Superior regulable
0.03D4T/04C	Controsagome in due pezzi con molle per anta semicomplanare con coltello guarnizione coltello sagomato regolabile e piattello superiore regolabile Welding blocks in two pieces with springs, for rounded exterior door with gasket knife, profiled adjustable knife and adjustable higher metal plate Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma con cuchilla con forma y regulable y pletina superior regulable

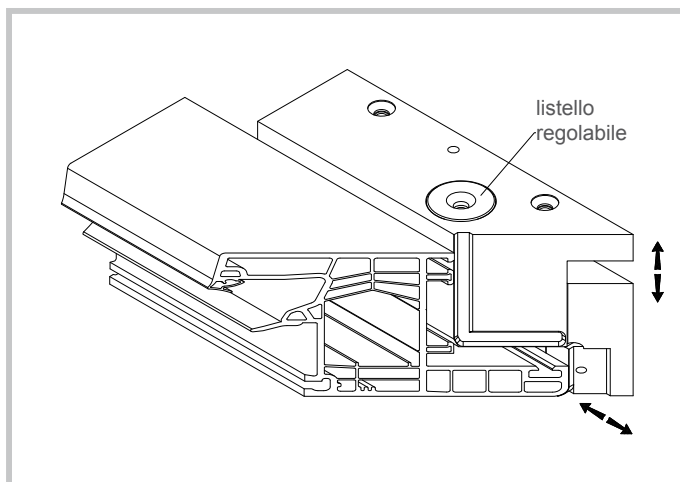
0.03D/4T SOENEN

- 🇮🇹 Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
- 🇩🇪 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

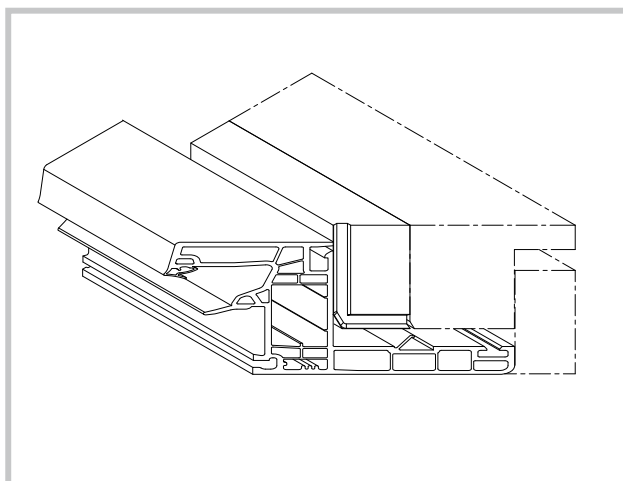
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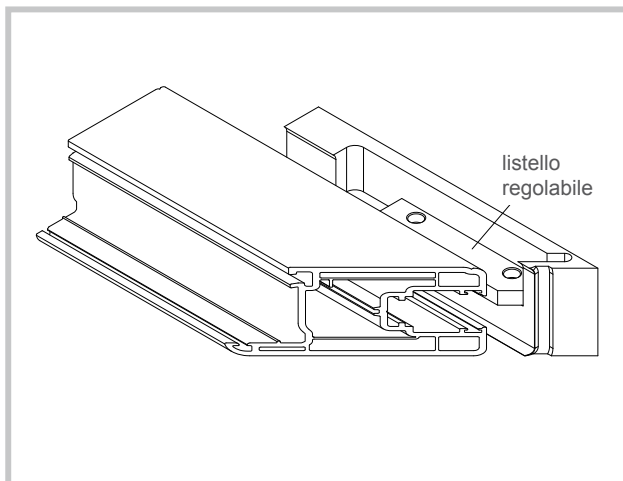
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0.03D4T/05 modulo



0.03D4T/07



0.03D/4T SOENEN

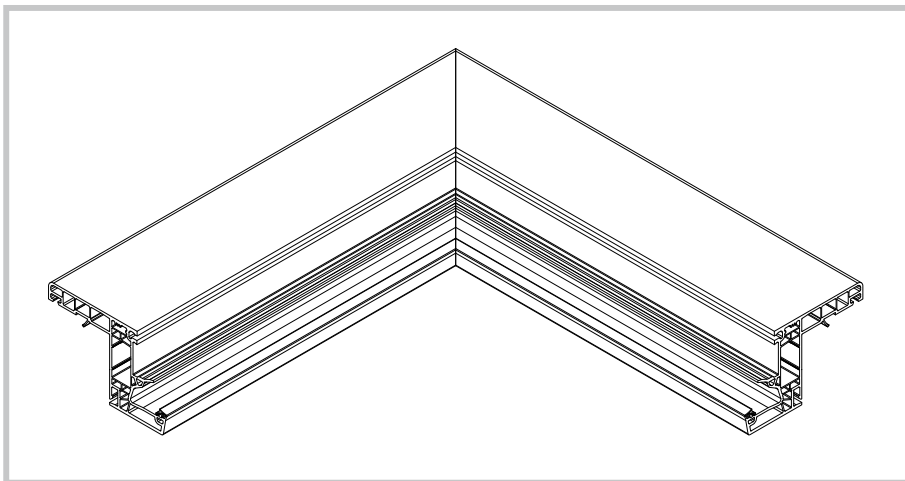
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SOENEN

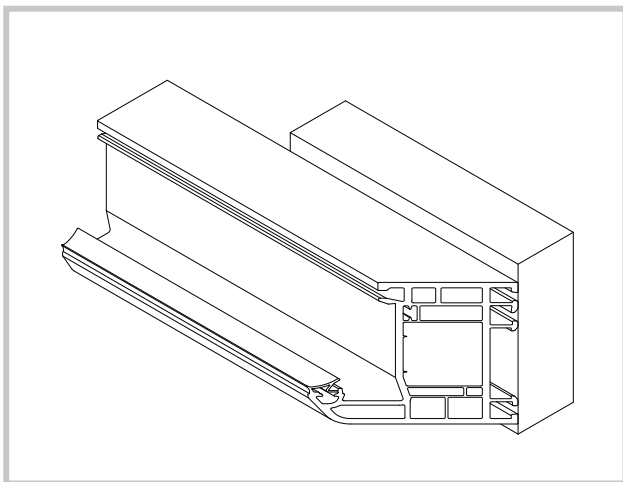
Articolo Article/Articulo	Descrizione Description/Descripción
0.03D4T/05	Controsagome in due pezzi con molle per telaio a "Z" <i>Welding blocks in two pieces with springs for "Z" shape</i> <i>Contraforma en dos piezas con muelles para marco con en forma de "Z"</i>
0.03D4T/05C	Controsagome in due pezzi con molle per telaio a "Z" con coltello sagomato regolabile <i>Counterprofiles in two pieces with springs for window frame "Z" shape with adjustable shaped knife</i> <i>Contraformas en dos piezas con muelles para marco con solape con cuchilla con forma y regulable</i>
0.03D4T/05 modulo	Modulo laterale per telai "Z" da applicare a 003D4T/05-05C <i>Lateral modular unit for "Z" shape frame, to be applied to 003D4T/05-05C</i> <i>Modulo lateral para marco con en forma de "Z" para aplicare a 003D4T/05-05C</i>
0.03D4T/07	Controsagoma fissa per anta scorrevole con supporto cava ferramenta regolabile <i>Fixed welding block for sliding door, with adjustable hardware hinge hollow support</i> <i>Contraforma fija para hoja corredera con alojamiento incorporado</i>

0.03E/4T STURTZ

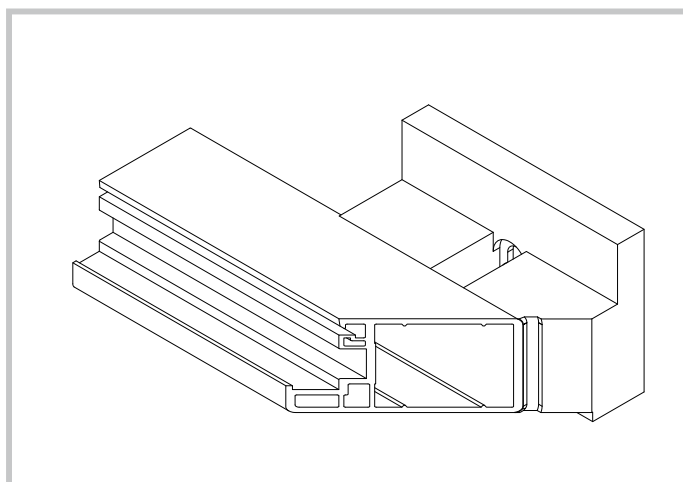
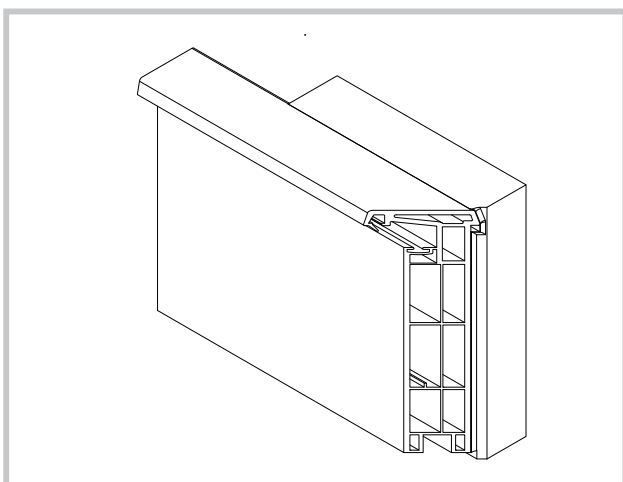
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0.03E4T/01



0.03E4T/02



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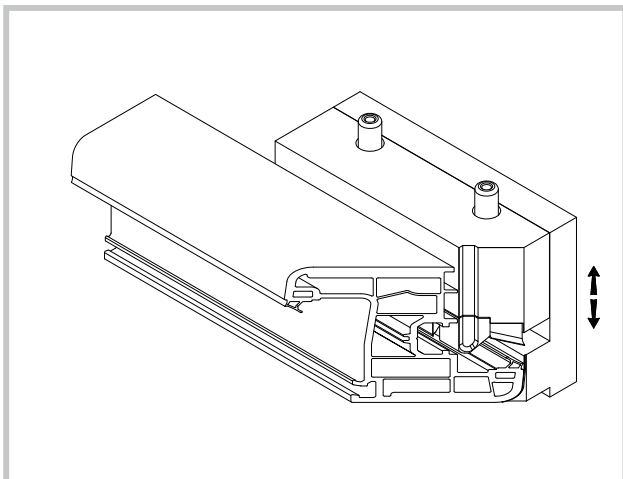
STURTZ

Articolo <i>Article/Artículo</i>	Descrizione <i>Description/Descripción</i>
0.03E4T/01	Controsagome fisse per telaio a "L" <i>Counterprofiles for "L" shape window frame</i> <i>Contraformas fijas para marco</i>
0.03E4T/02	Controsagome fisse per anta scorrevole e profili tipo cassonetto, ecc. <i>Fixed shaped welding blocks for sliding door and profiles like rolling shutter casing, etc.</i> <i>Contraforma fijas moldeada para hoja corredera y perfils como cajón de la persiana etc.</i>

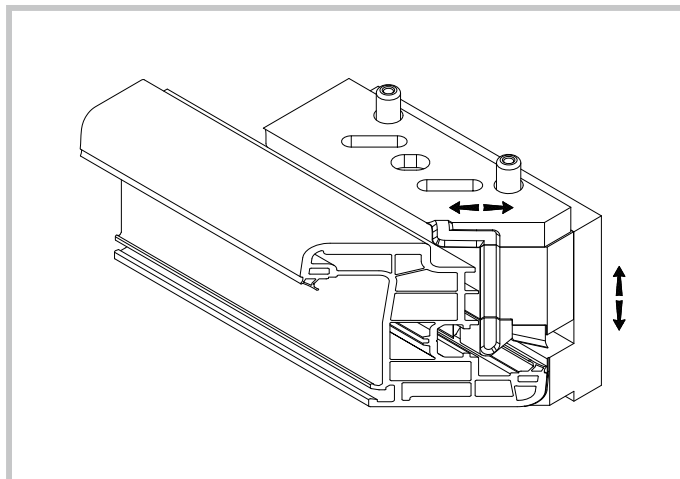
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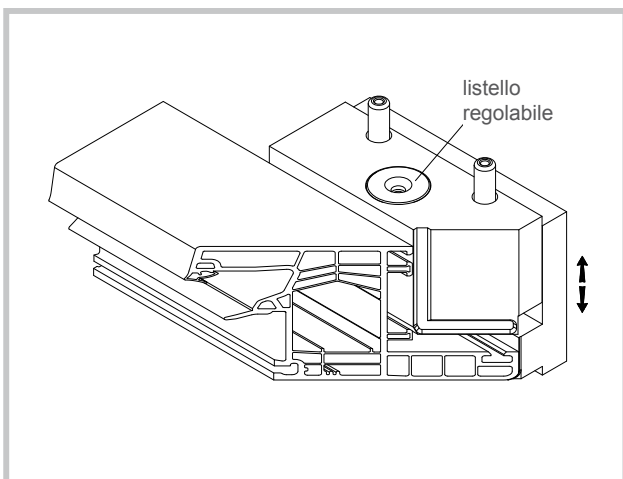
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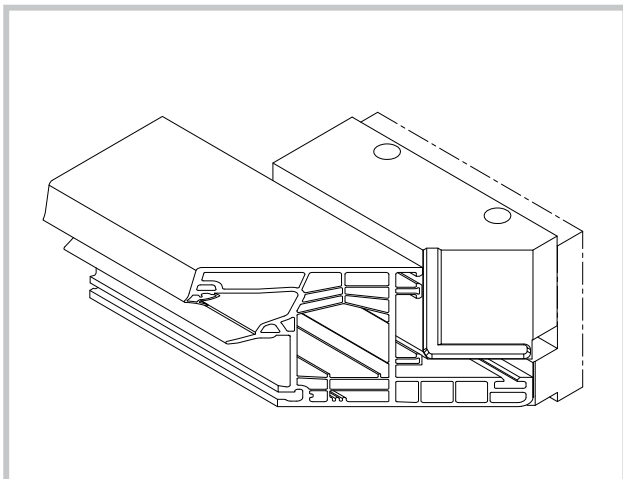
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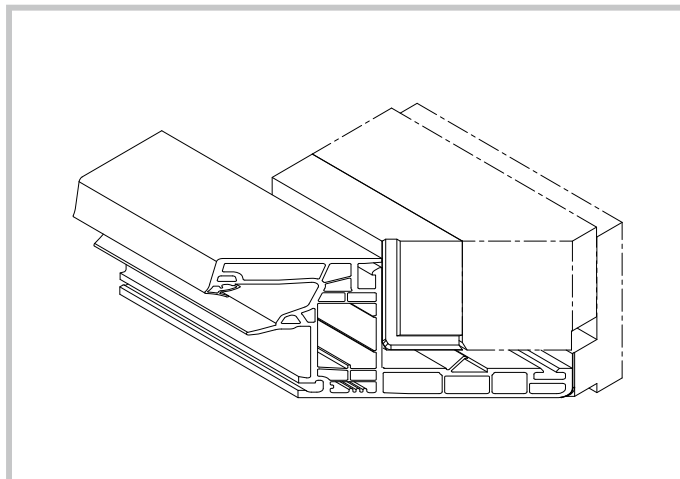
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0.03E4T/05 modulo A / A modular unit



0.03E4T/05 modulo B / B modular unit



0.03E/4T STURTZ

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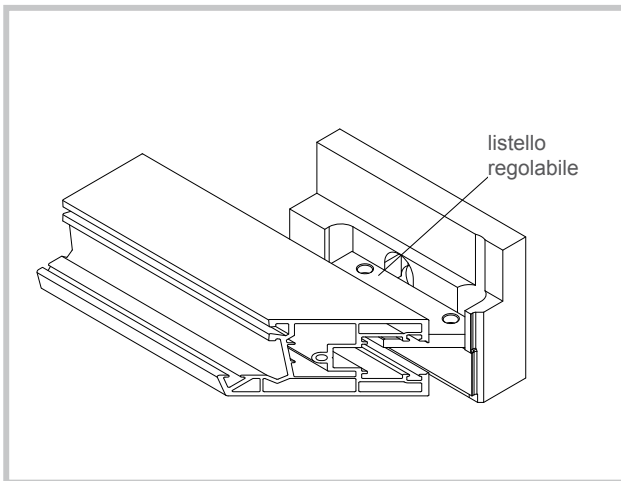
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Articolo Article/Articulo	Descrizione Description/Descripcion
0.03E4T/03	Controsagome in due pezzi con molle per anta arretrata con coltello guarnizione <i>Counterprofiles in two pieces with springs for offset leaf with gasket knife</i> <i>Contraformas en dos piezas con muelles para hoja recta con cuchilla para goma</i>
0.03E4T/04	Controsagome in due pezzi con molle per anta semicomplanare con coltello guarnizione e piattello superiore regolabile <i>Welding blocks in two pieces with springs, for rounded exterior door with gasket knife and adjustable higher metal plate</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma y pletina Superior regulable</i>
0.03E4T/05	Controsagome in due pezzi con molle per telaio a "Z" <i>Welding blocks in two pieces with springs for "Z" shape frame</i> <i>Contraforma en dos piezas con muelles para marco con en forma de "Z"</i>
0.03E4T/05 moduloA	Modulo telai "Z" da sostituire a 003 E4T/05/05C <i>Modular unit for "Z" shape frames, to replace 003 E4T/05/05C</i> <i>Modulo para marco con en forma de "Z" para reemplazar a 003 E4T/05/05C</i>
0.03E4T/05 modulo B	Modulo laterale per telai "Z" da applicare a 003E4T/05-05C <i>Lateral modular unit for "Z" shape frames, to be applied to 003E4T/05-05C</i> <i>Modulo lateral para marco con en forma de "Z" para aplicare a 003E4T/05-05C</i>

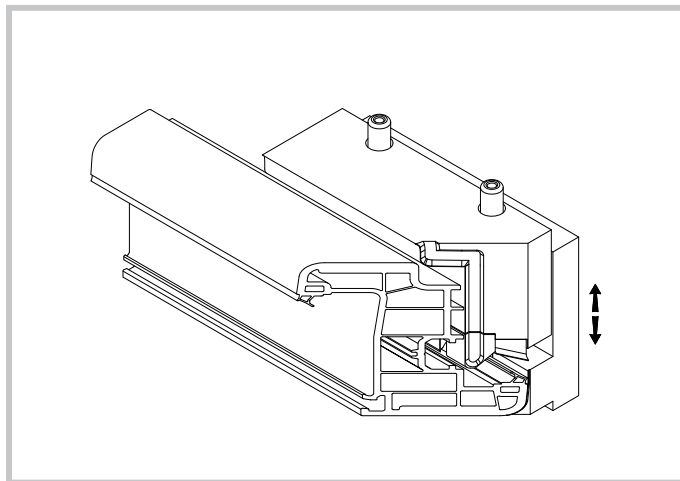
0.03E/4T STURTZ

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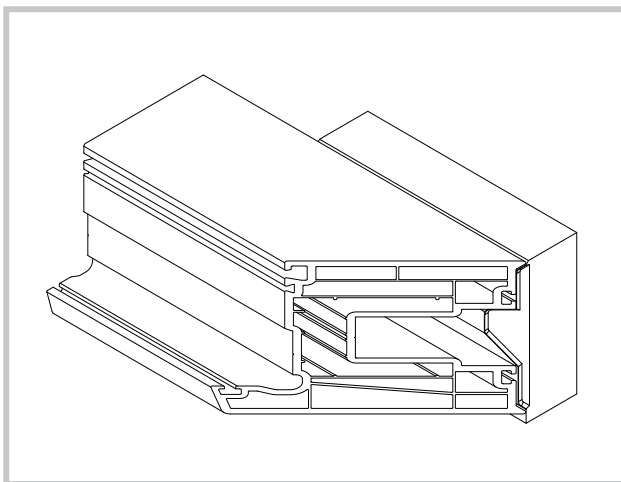
0.03E4T/07



0.03E4T/08



0.03E4T/09



0.03E/4T STURTZ

-  Controsagome in alluminio per la saldatura
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Articolo <i>Article/Articulo</i>	Descrizione <i>Description/Descripción</i>
0.03E4T/07	Controsagoma fissa per anta scorrevole con supporto cava ferramenta regolabile <i>Fixed welding block for sliding door, with adjustable hardware hinge hollow support</i> <i>Contraforma fija para hoja corredera con alojamiento incorporado regulable</i>
0.03E4T/08	Controsagoma in due pezzi con molle per anta semicomplanare con coltello guarnizione <i>Welding block in two pieces with springs for rounded exterior door, with gasket knife</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma</i>
0.03E4T/09	Controsagoma fissa per anta scorrevole <i>Fixed welding block for sliding door</i> <i>Contraforma fija para hoja corredera</i>

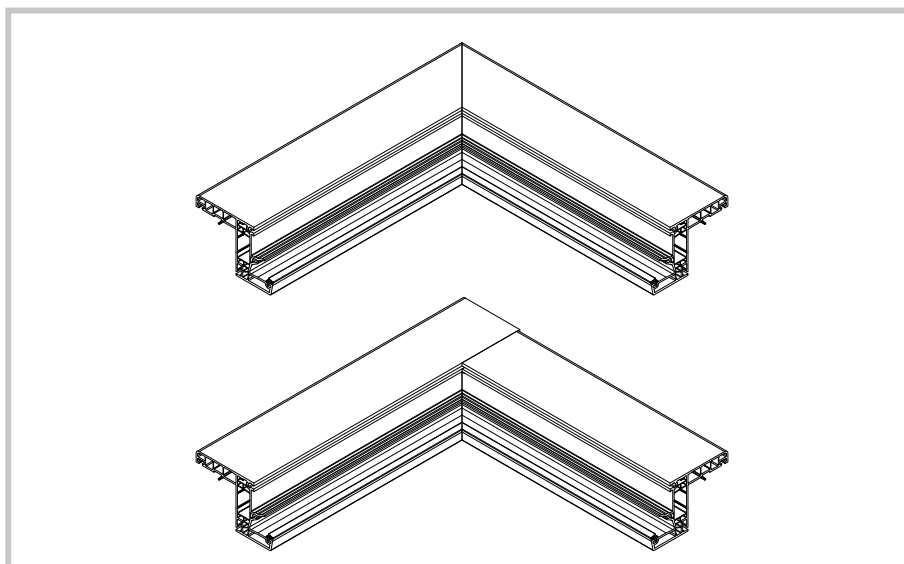
0.03E/4T STURTZ

- 🇮🇹 Controsagome in alluminio per la saldatura **SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO**
- 🇬🇧 Aluminium counterprofiles for welding **HI-TECH SERIES 4HEADS WITH REVERSE PLAN**
- 🇩🇪 Contraformas en aluminio para soldar **SERIE HI-TECH 4CABEZAS PLAN INVERTIDO**

ESEMPIO PROFILI SALDARE A 45° e 90° *

EXAMPLE OF PROFILES TO WELD AT 45° AND 90° DEGREES *

EJEMPLO PERFILS SOLDAR A 45° e 90° *



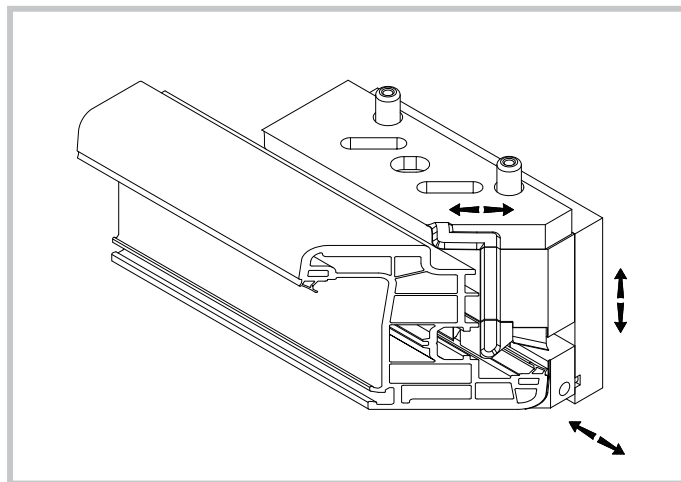
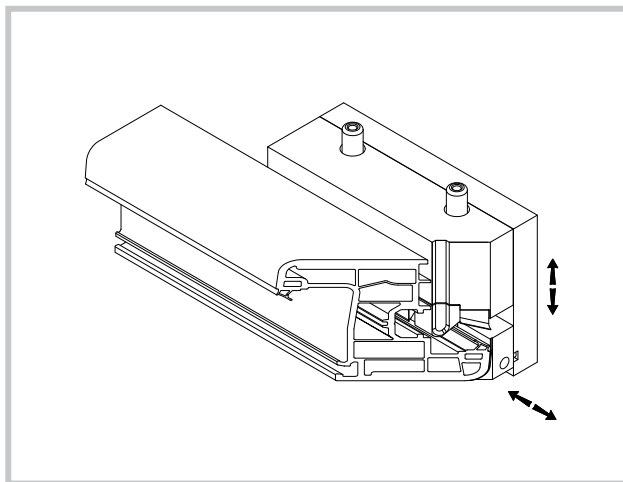
*** PER SALDATURA 90°
AGGIUNGERE IL COLTELLO
ARTICOLO COL0001**

*** For 90° welding add the knife
article COL0001**

*** Para soldadura de 90° agregue
el artículo de cuchillo COL 0001**

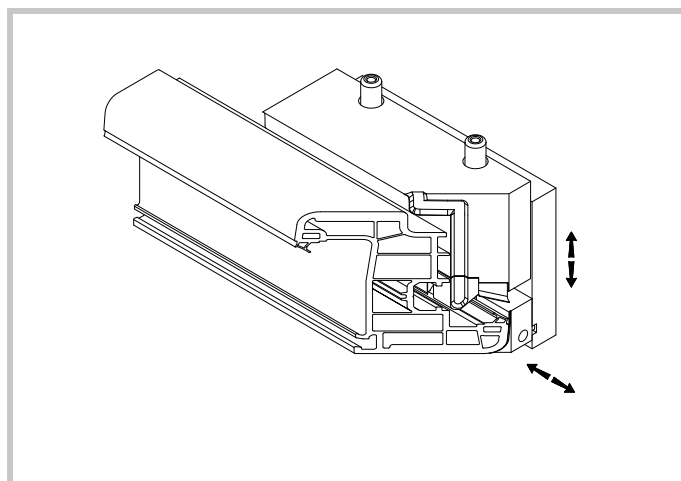
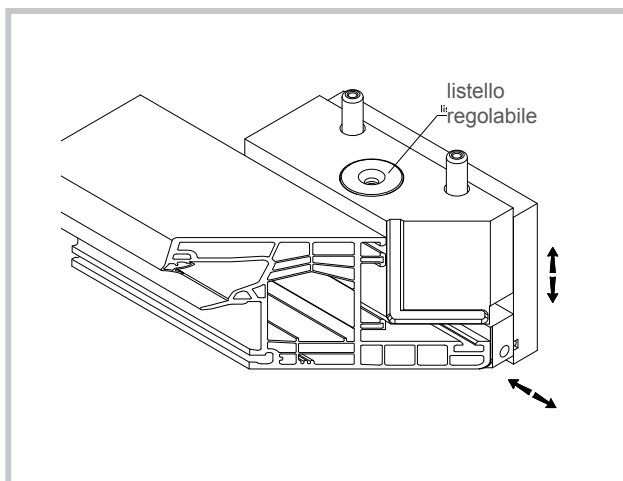
0.03E4T/03C

0.03E4T/04C



0.03E4T/05C

0.03E4T/08C



0.03E/4T STURTZ

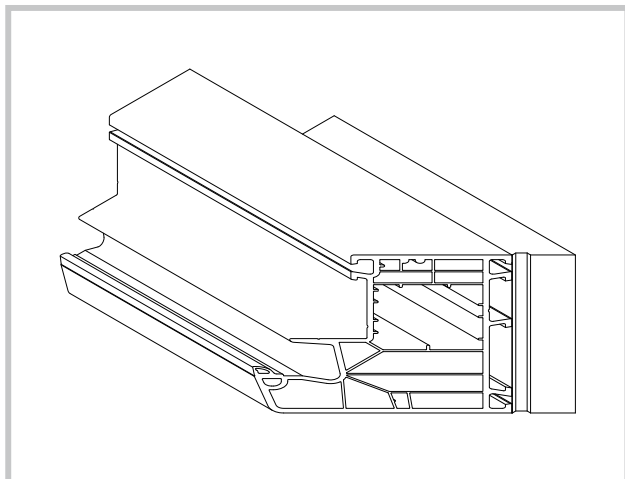
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Articolo Article/Articulo	Descrizione Description/Descripcion
0.03E4T/03C	Controsagoma in due pezzi con molle per anta arretrata con coltello guarnizione e coltello sagomato regolabile <i>Welding block in two pieces with springs, for backward door with gasket knife and profiled adjustable knife</i> <i>Contraforma en dos piezas con muelles para hoja atrasada con cuchilla para goma y cuchilla con forma y regulable</i>
0.03E4T/04C	Controsagoma in due pezzi con molle per anta semicomplanare con coltello guarnizione, coltello sagomato regolabile e piattello superiore regolabile <i>Welding blocks in two pieces with springs, for rounded exterior door with gasket knife, profiled adjustable knife and adjustable higher metal plate</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma y cuchilla con forma y regulable</i>
0.03E4T/05C	Controsagoma in due pezzi con molle per telaio a "Z" con coltello sagomato regolabile <i>Welding block in two pieces with springs for "Z" shape frame, with profiled adjustable knife</i> <i>Contraforma en dos piezas con muelles para marco con en forma de "Z" con cuchilla con forma y regulable</i>
0.03E4T/08C	Controsagoma in due pezzi con molle per anta semicomplanare con coltello guarnizione e coltello sagomato regolabile <i>Welding block in two pieces with springs, for rounded exterior door with gasket knife and profiled adjustable knife</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma y cuchilla con forma y regulable</i>

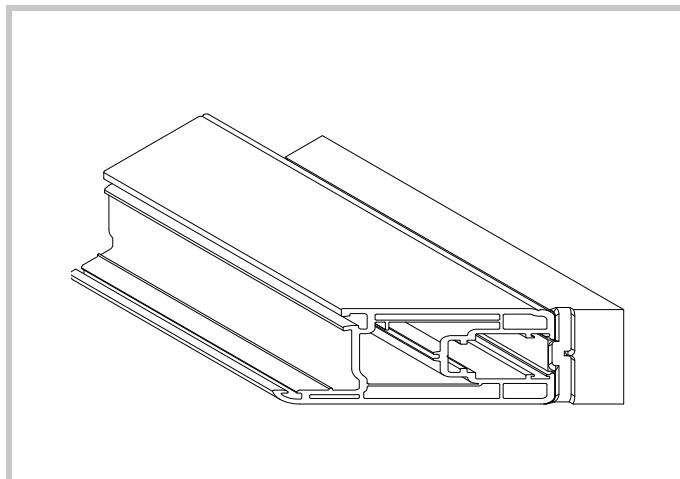
0.03F/4T URBAN

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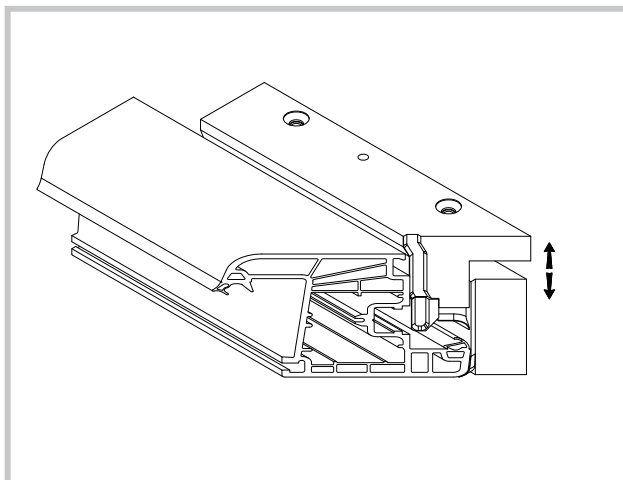
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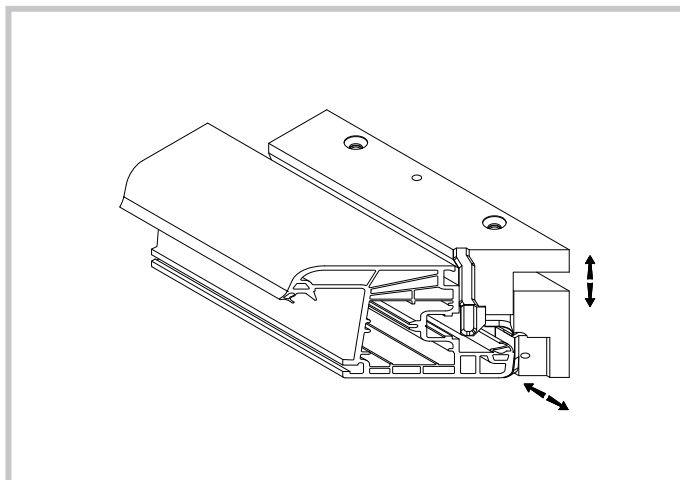
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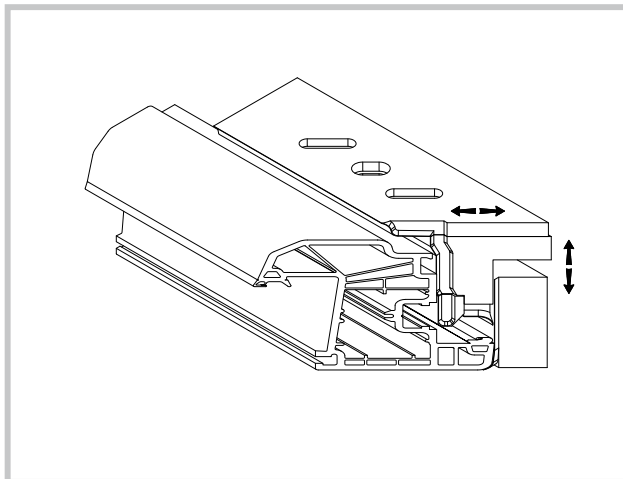
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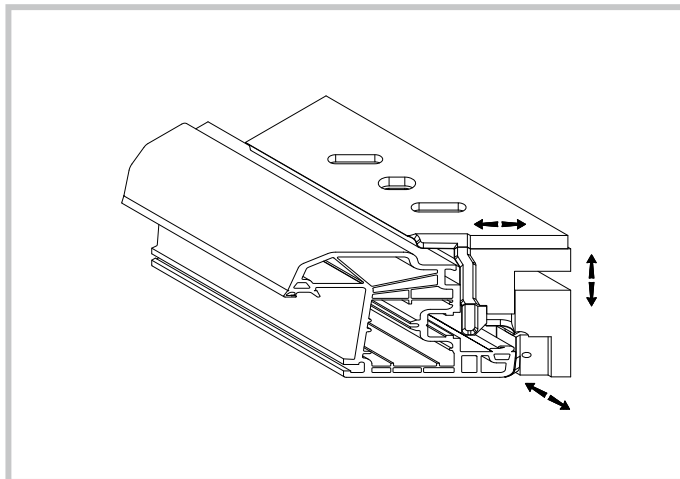
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0.03F4T/04



0.03F4T/04C



0.03F/4T URBAN

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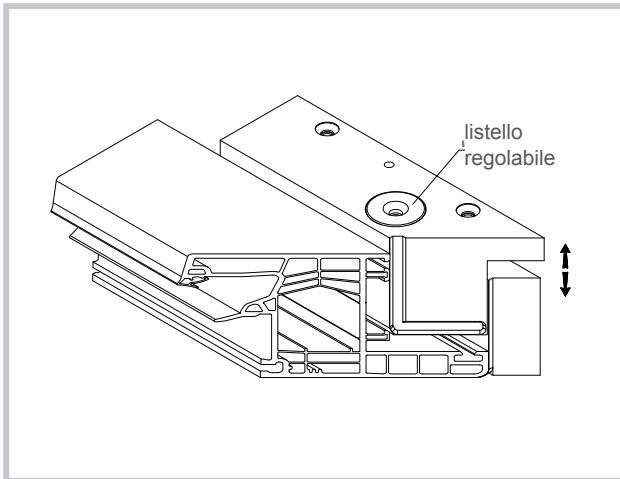
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0.03F4T/01	Controsagome fisse per telaio a "L" Counterprofiles for "L" shape window frame Contraformas fijas para marco
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0.03F4T/04	Controsagome in due pezzi con molle per anta semicomplanare con coltello guarnizione e piattello superiore regolabile Welding blocks in two pieces with springs, for rounded exterior door with gasket knife and adjustable higher metal plate Contraforma en dos piezas con muelles para hoja redenda con cuchilla para goma y cuchilla con forma y regulable
0.03F4T/04C	Controsagoma in due pezzi con molle per anta semicomplanare con coltello guarnizione, coltello sagomato regolabile e piattello superiore regolabile Welding block in two pieces with springs, for rounded exterior door with gasket knife, profiled adjustable knife and adjustable higher metal plate Contraforma en dos piezas con muelles para hoja redenda con cuchilla para goma y cuchilla con forma y regulable y pletina superior regulable

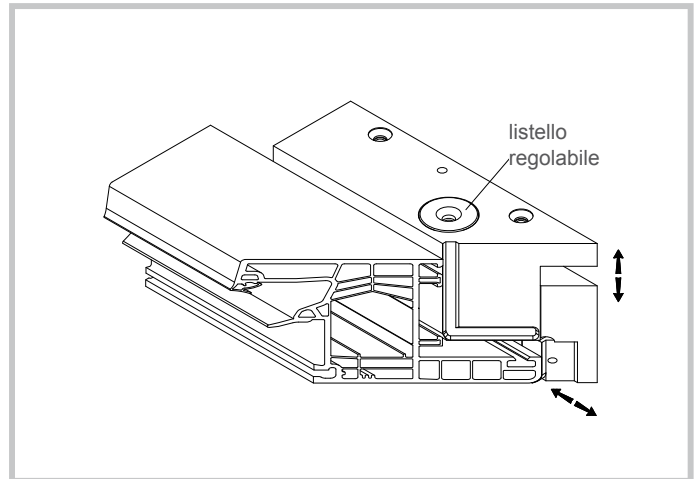
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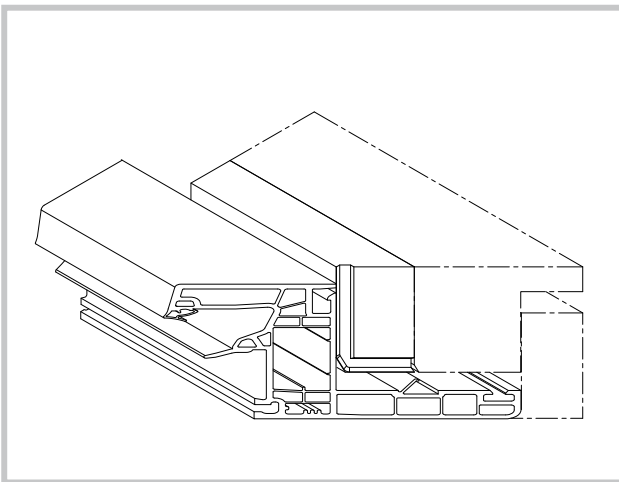
0.03F4T/05



0.03F4T/05C



0.03F4T/05 modulo / Modular unit



0.03F/4T URBAN

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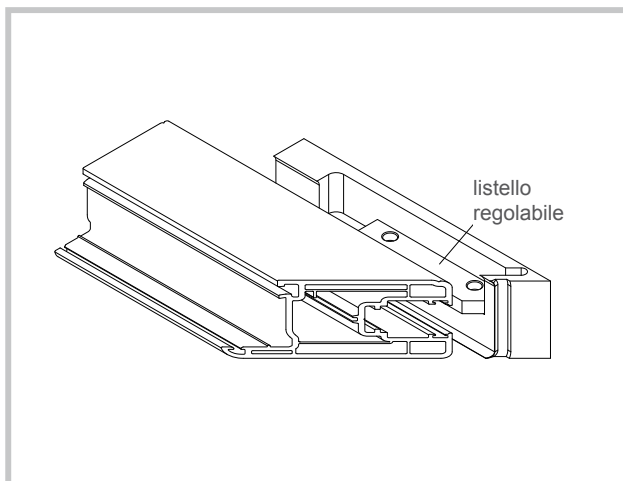
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Articolo <i>Article/Articulo</i>	Descrizione <i>Description/Descripción</i>
0.03F4T/05	Controsagome in due pezzi con molle per telaio a "Z" <i>Welding blocks in two pieces with springs, for "Z" shape frame</i> <i>Contraforma en dos piezas con muelles para marco con en forma de "Z"</i>
0.03F4T/05C	Controsagoma in due pezzi con molle per telaio a "Z" con coltello sagomato regolabile <i>Welding block in two pieces with springs, for "Z" shape frame, with profiled adjustable knife</i> <i>Contraforma en dos piezas con muelles para marco con en forma de "Z" con cuchilla con forma y regulable</i>
0.03F4T/05 modulo	Modulo laterale per telai "Z" da applicare a 003F4T/05-05C <i>Lateral modular unit for "Z" shape frames, to be applied to 003F4T/05-05C</i> <i>Modulo lateral para marco con en forma de "Z" para aplicarse a 003F4T/05-05C</i>

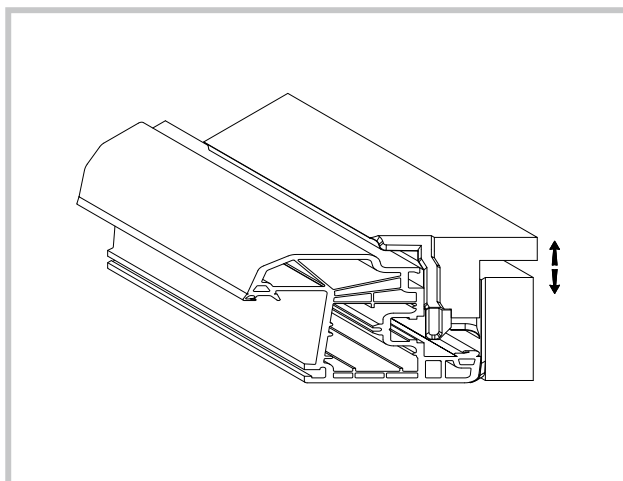
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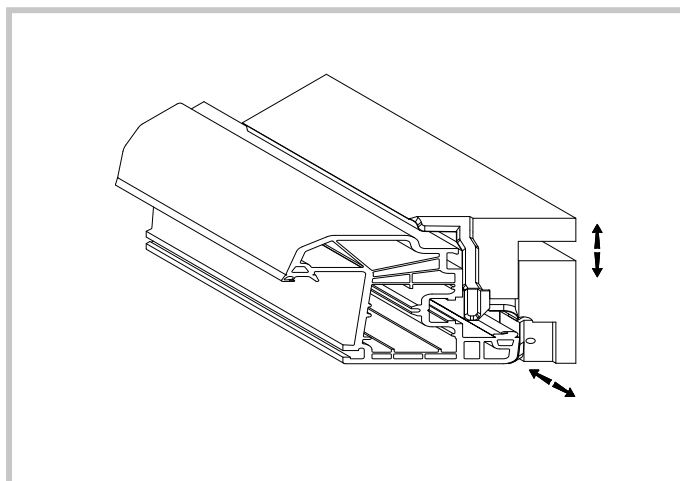
0.03F4T/07



0.03F4T/08



0.03F4T/08C



0.03F/4T URBAN

- 🇮🇹 Controsagome in alluminio per la saldatura
SERIE HI-TECH 4 TESTE PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS WITH REVERSE PLAN
- 🇪🇸 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS PLAN INVERTIDO

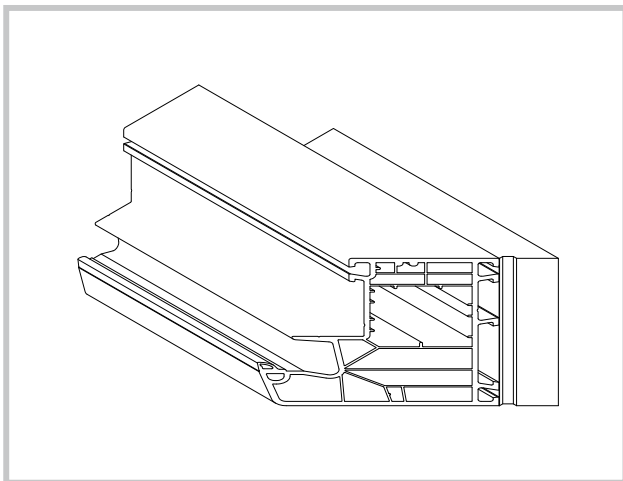
URBAN

Articolo Article/Articulo	Descrizione Description/Descripción
0.03F4T/07	Controsagoma fissa per anta scorrevole con supporto cava ferramenta regolabile <i>Fixed welding block for sliding door, with adjustable hardware hinge hollow support</i> <i>Contraforma fija para hoja corredera con alojamiento incorporado regulable</i>
0.03F4T/08	Controsagoma in due pezzi con molle per anta semicomplanare con coltello guarnizione <i>Welding block in two pieces with springs, for rounded exterior door with gasket knife</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma</i>
0.03F4T/08C	Controsagoma in due pezzi con molle per anta semicomplanare con coltello guarnizione e coltello sagomato regolabile <i>Welding block in two pieces with springs, for rounded exterior door with gasket knife and profiled adjustable knife</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma y cuchilla con forma y regulable</i>

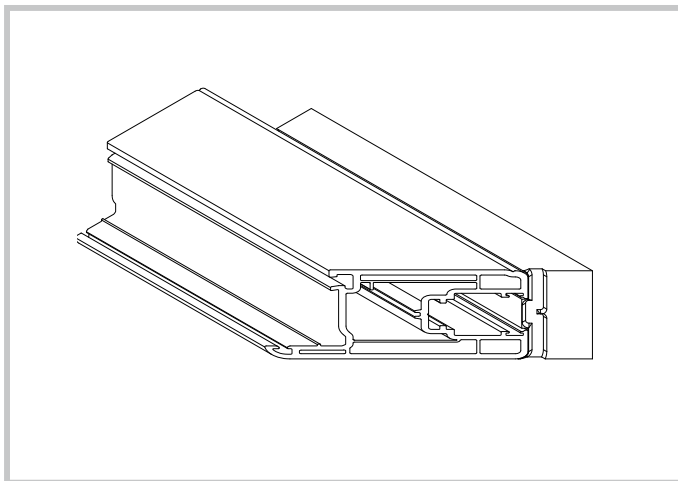
0.03G/4T EMMEGI

- 🇮🇹 Controsagome in alluminio per la saldatura SERIE HI-TECH 4 TESTE
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS
- 🇪🇸 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS

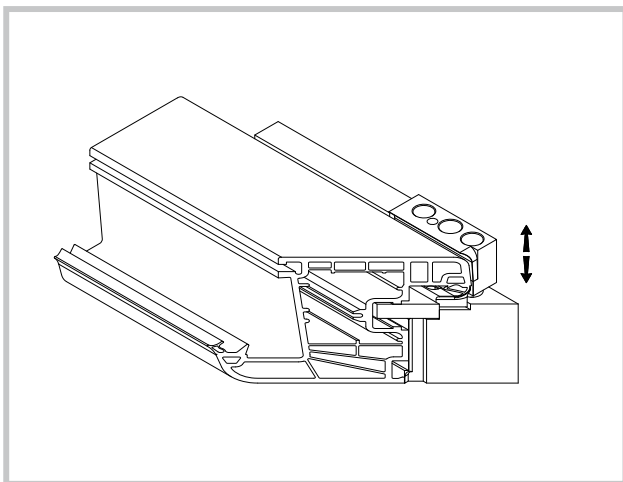
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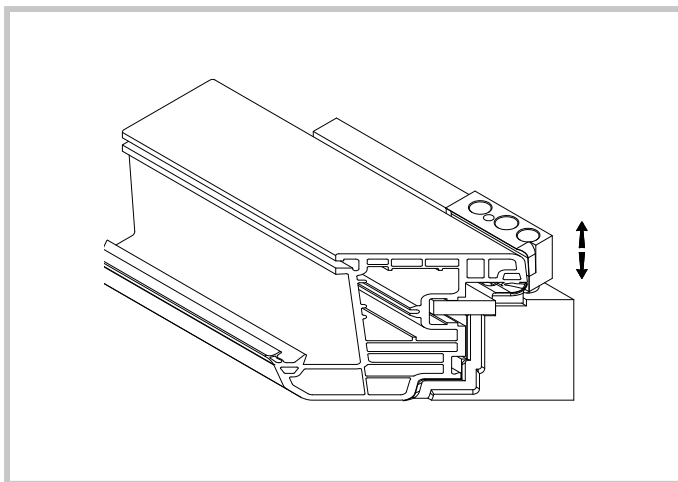
0.03G4T/02



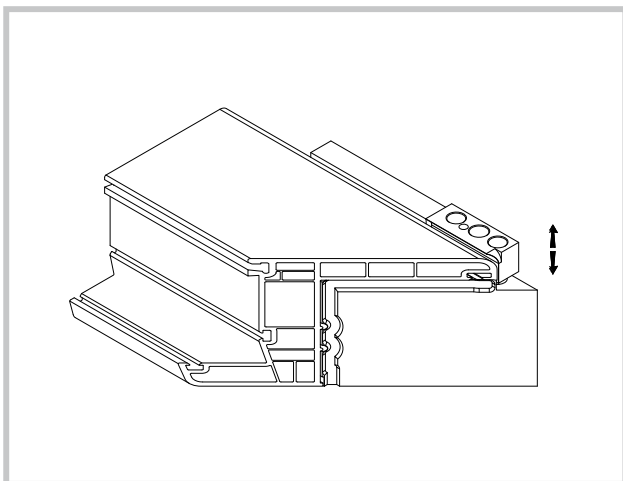
0.03G4T/03



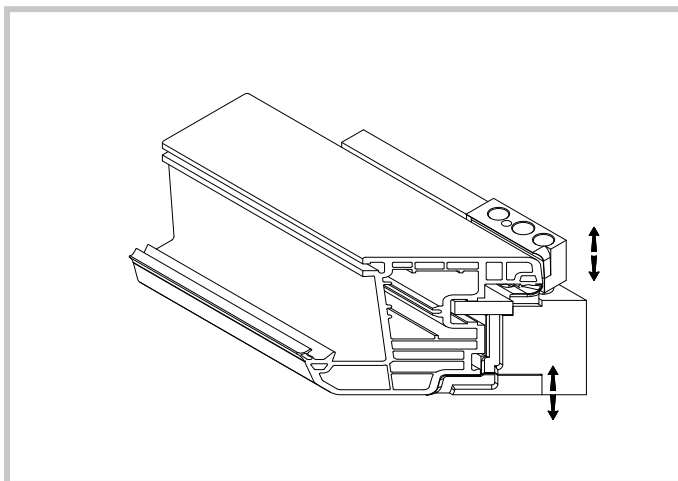
0.03G4T/04



0.03G4T/05



0.03G4T/06



0.03G/4T EMMEGI

- 🇮🇹 Controsagome in alluminio per la saldatura SERIE HI-TECH 4 TESTE
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS
- 🇪🇸 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS

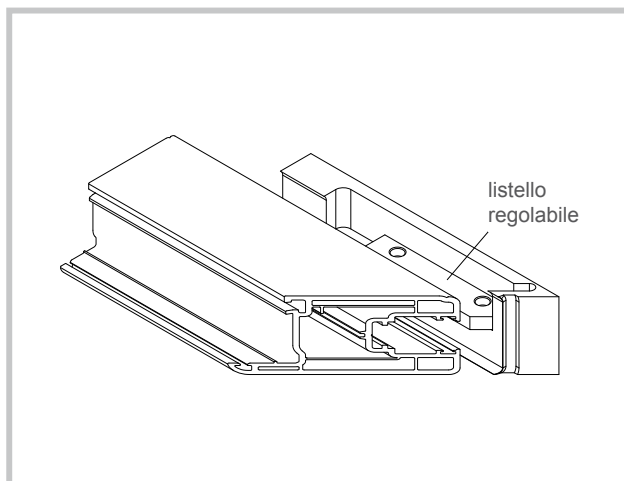
EMMEGI

Articolo Article/Articulo	Descrizione Description/Descripción
0.03G4T/01	Controsagome fisse per telaio a "L" <i>Fixed welding blocks for "L" shape frame</i> <i>Contraforma fijas para marco a "L"</i>
0.03G4T/02	Controsagome fisse per anta scorrevole e profili tipo cassonetto. <i>Fixed shaped welding blocks for sliding door and profiles, like rolling shutter casing.</i> <i>Contraforma fijas moldeada para hoja corredera y perfils como cajón de la persiana.</i>
0.03G4T/03	Controsagoma per anta arretrata con molle-coltello guarnizione - supporto cava ferramenta regolabile <i>Welding block for backward door with springs, gasket knife and adjustable hardware hinge hollow support</i> <i>Contraforma para hoja atrasada con muelles - cuchilla para goma - con alojamiento incorporado regulable</i>
0.03G4T/04	Controsagoma per anta semicomplanare con molle -coltello guarnizione- supporto cava ferramenta regolabile <i>Welding block for rounded exterior door with springs, gasket knife and adjustable hardware hinge hollow support</i> <i>Contraforma para hoja redonda con muelles - cuchilla para goma con alojamiento incorporado regulable</i>
0.03G4T/05	Controsagoma per telaio a "Z" con molle <i>Welding block for "Z" shape frame, with springs</i> <i>Contraforma para marco en forma de "Z" con muelles</i>
0.03G4T/06	Controsagoma per anta semicomplanare con molle- coltello guarnizione - supporto cava ferramenta regolabile- piattello inferiore con molle <i>Welding block for rounded exterior door with springs, gasket knife, adjustable hardware hinge hollow support and adjustable lower metal plate, with springs</i> <i>Contraforma para hoja redonda con muelles - cuchilla para goma - con alojamiento incorporado regulable - pletina inferior con muelles</i>

0.03G/4T EMMEGI

- 🇮🇹 Controsagome in alluminio per la saldatura SERIE HI-TECH 4 TESTE
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS
- 🇪🇸 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS

0.03G4T/07



0.03G/4T EMMEGI

- 🇮🇹 Controsagome in alluminio per la saldatura SERIE HI-TECH 4 TESTE
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 4HEADS
- 🇪🇸 Contraformas en aluminio para soldar SERIE HI-TECH 4CABEZAS

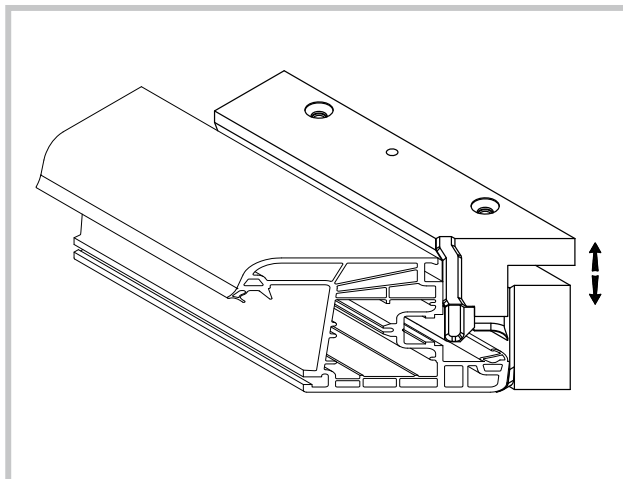
EMMEGI

Articolo <i>Article/Articulo</i>	Descrizione <i>Description/Descripción</i>
0.03G4T/07	Controsagoma fissa anta scorrevole con supporto cava ferramenta regolabile <i>Fixed welding block for sliding door, with adjustable hardware hinge hollow support</i> <i>Contraforma fija para hoja corredera con alojamiento incorporado regulable</i>

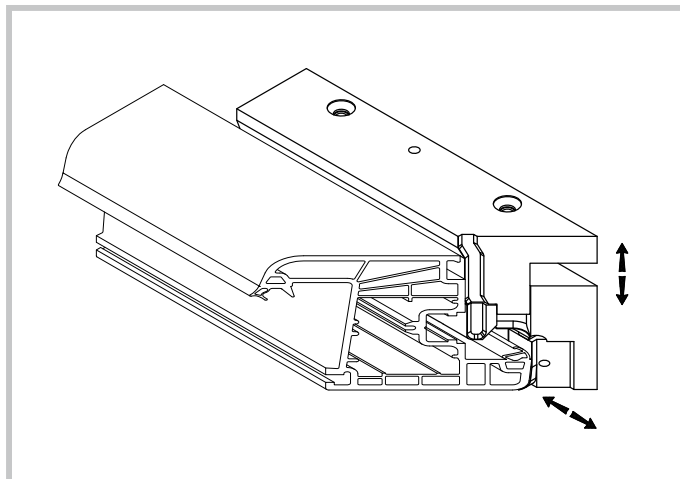
0.03H/1T

- 🇮🇹 Controsagome in alluminio per saldatura
SERIE HI-TECH 1 TESTA PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 1 HEAD WITH REVERSE PLAN
- 🇪🇸 Contraformas en aluminio para soldar SERIE HI-TECH 1 CABEZA PLAN INVERTIDO

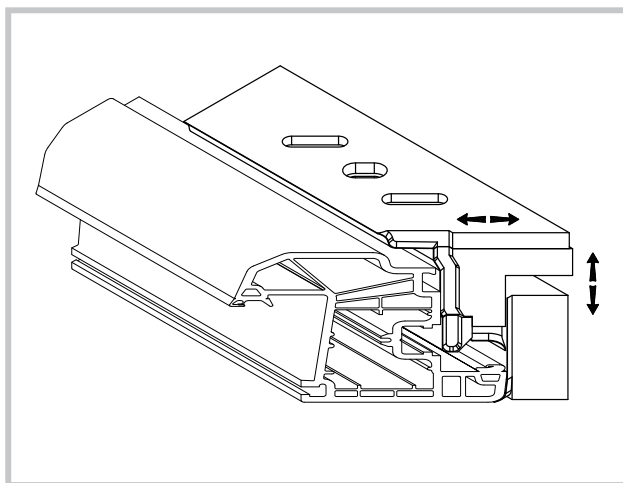
0.03H1T/03



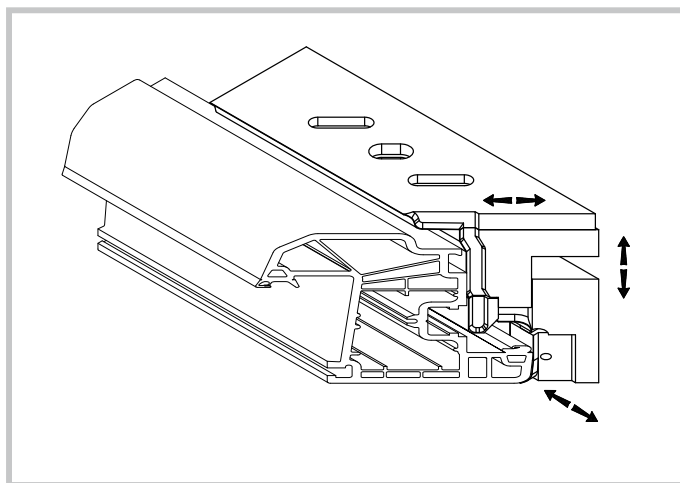
0.03H1T/03C



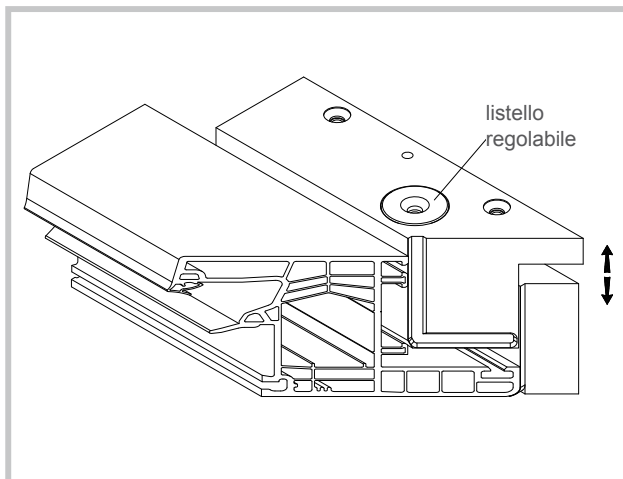
0.03H1T/04



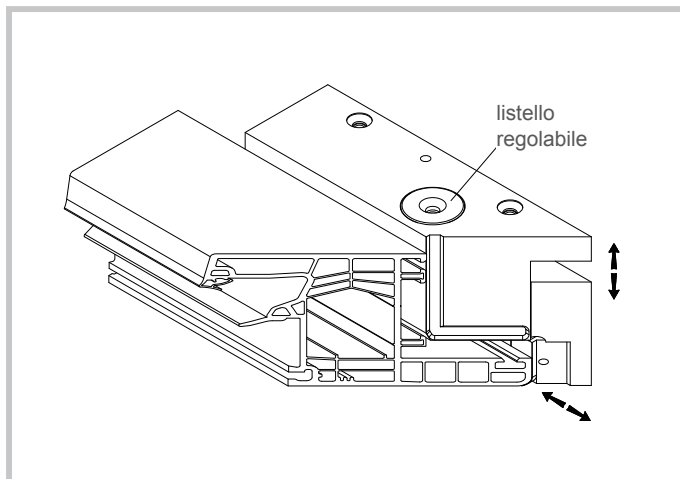
0.03H1T/04C



0.03H1T/05



0.03H1T/05C



0.03H/1T

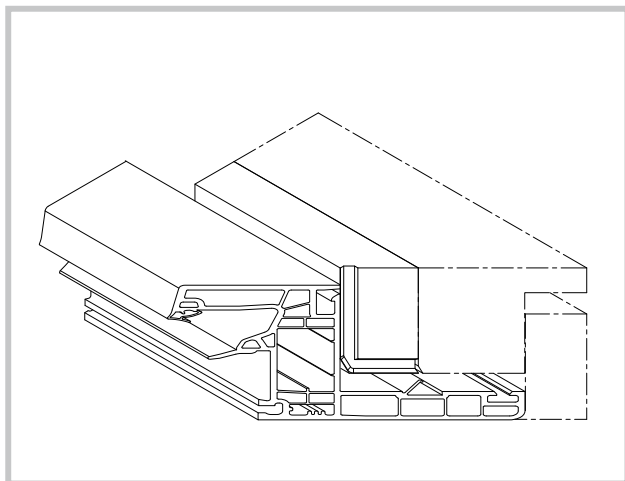
- 🇮🇹 **Controsagome in alluminio per saldatura**
SERIE HI-TECH 1 TESTA PIANO CAPOVOLTO
- 🇬🇧 **Aluminium counterprofiles for welding HI-TECH SERIES 1 HEAD WITH REVERSE PLAN**
- 🇪🇸 **Contraformas en aluminio para soldar SERIE HI-TECH 1 CABEZA PLAN INVERTIDO**

Articolo Article/Articulo	Descrizione Description/Descripción
0.03H1T/03	Controsagome in due pezzi con molle per anta arretrata con coltello guarnizione <i>Welding block in two pieces with springs, for backward door with gasket knife</i> <i>Contraforma en dos piezas con muelles para hoja atrasada con cuchilla para goma</i>
0.03H1T/03C	Controsagome in due pezzi con molle per anta arretrata con coltello guarnizione e coltello sagomato regolabile <i>Welding blocks in two pieces with springs, for backward door with gasket knife and profiled adjustable knife</i> <i>Contraforma en dos piezas con muelles para hoja atrasada con cuchilla para goma y cuchilla con forma y regulable</i>
0.03H1T/04	Controsagome in due pezzi con molle per anta semicomplanare con coltello guarnizione e piattello superiore regolabile <i>Welding blocks in two pieces for rounded exterior door with springs, gasket knife and adjustable higher metal plate</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma y pletina superior regulable</i>
0.03H1T/04C	Controsagome in due pezzi con molle per anta semicomplanare con coltello guarnizione coltello sagomato regolabile e piattello superiore regolabile <i>Welding blocks in two pieces for rounded exterior door with springs, gasket knife, profiled adjustable knife and adjustable higher metal plate</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma con cuchilla con forma y regulable y pletina superior regulable</i>
0.03H1T/05	Controsagoma in due pezzi con molle per telaio a "Z" <i>Welding block in two pieces with springs, for "Z" shape frame</i> <i>Contraforma en dos piezas con muelles para marco en forma de "Z"</i>
0.03H1T/05C	Controsagoma in due pezzi con molle per telaio a "Z" con coltello sagomato regolabile <i>Welding block in two pieces with springs for "Z" shape frame, with profiled adjustable knife</i> <i>Contraforma en dos piezas con muelles para marco en forma de "Z" con cuchilla con forma y regulable</i>

0.03H/1T

- 🇮🇹 Controsagome in alluminio per saldatura
SERIE HI-TECH 1 TESTA PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 1 HEAD WITH REVERSE PLAN
- 🇪🇸 Contraformas en aluminio para soldar SERIE HI-TECH 1 CABEZA PLAN INVERTIDO

0.03H1T/05 modulo/modular unit



0.03H/1T

- 🇮🇹 Controsagome in alluminio per saldatura
SERIE HI-TECH 1 TESTA PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 1 HEAD WITH REVERSE PLAN
- 🇪🇸 Contraformas en aluminio para soldar SERIE HI-TECH 1 CABEZA PLAN INVERTIDO

Articolo <i>Article/Articulo</i>	Descrizione <i>Description/Descripción</i>
0.03H1T/05 modulo	Modulo laterale per telai “Z” da applicare a 003H1T/05-05C <i>Lateral modular unit for “Z” shape frames, to be applied to 003H1T/05-05C</i> <i>Modulo lateral para marco con en forma de “Z” para aplicar a 003H1T/05-05C</i>

0.03H/2T

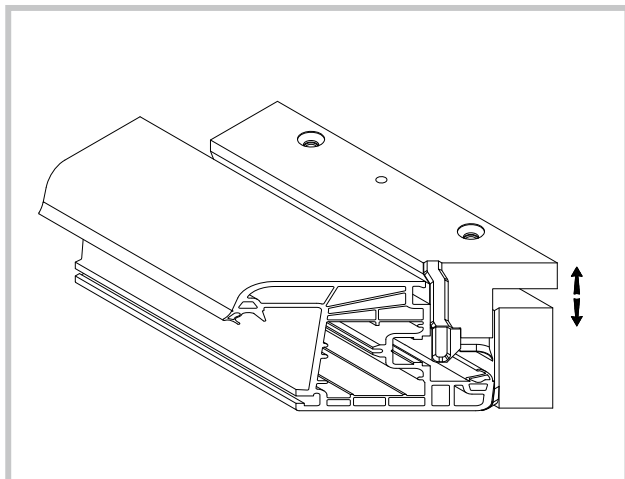
🇮🇹 Controsagome in alluminio per saldatura

SERIE HI-TECH 2 TESTA PIANO CAPOVOLTO

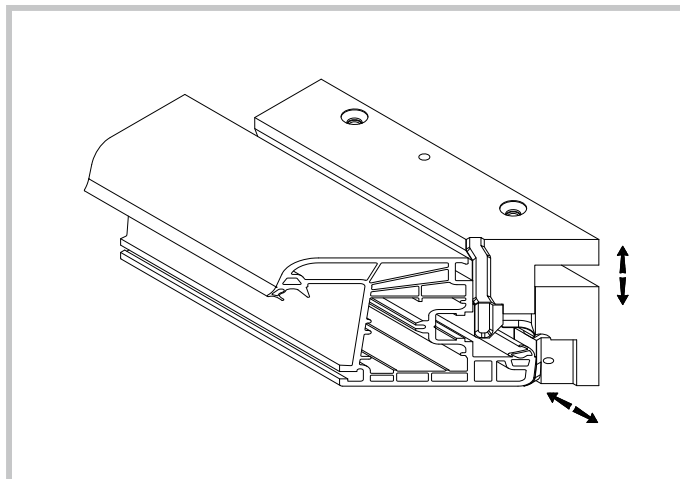
🇬🇧 *Aluminium counterprofiles for welding HI-TECH SERIES 2 HEADS WITH REVERSE PLAN*

🇪🇸 *Contraformas en aluminio para soldar SERIE HI-TECH 2 CABEZAS*

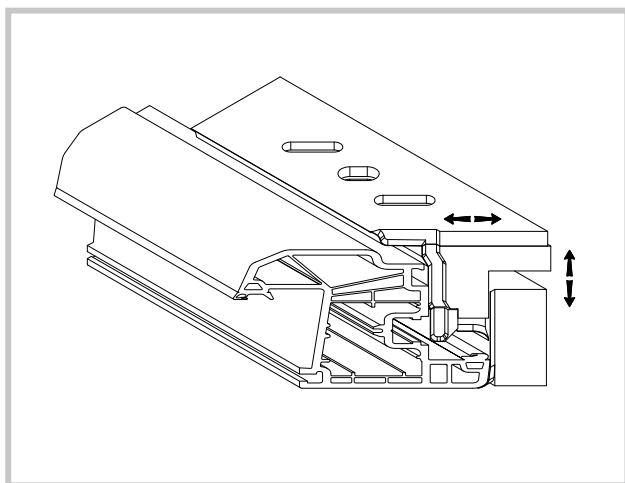
0.03H2T/03



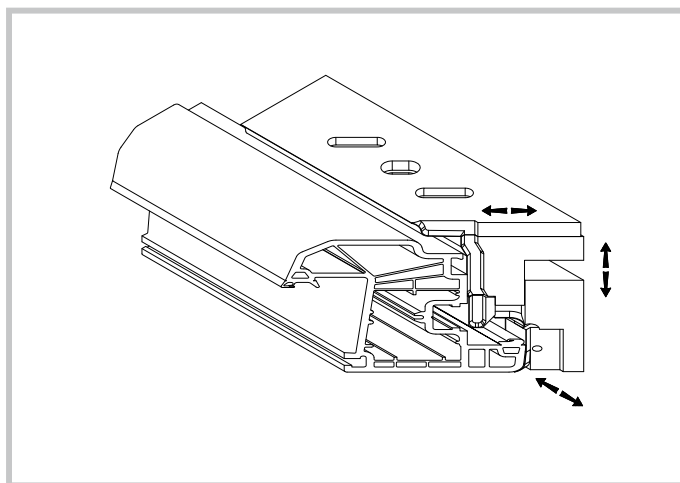
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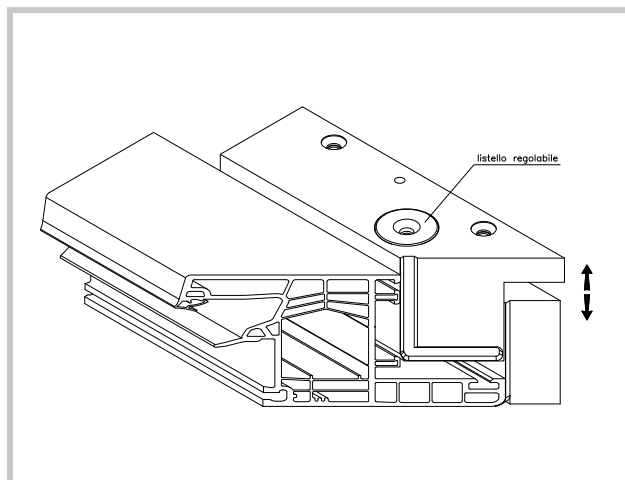
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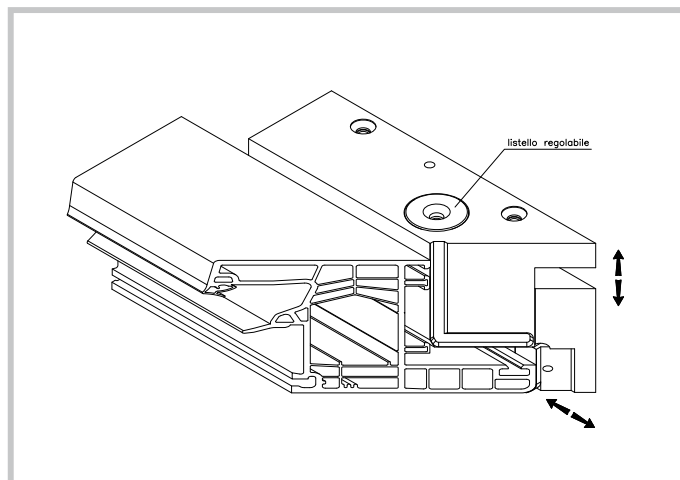
0.03H2T/04C



0.03H2T/05



0.03H2T/05C



0.03H/2T

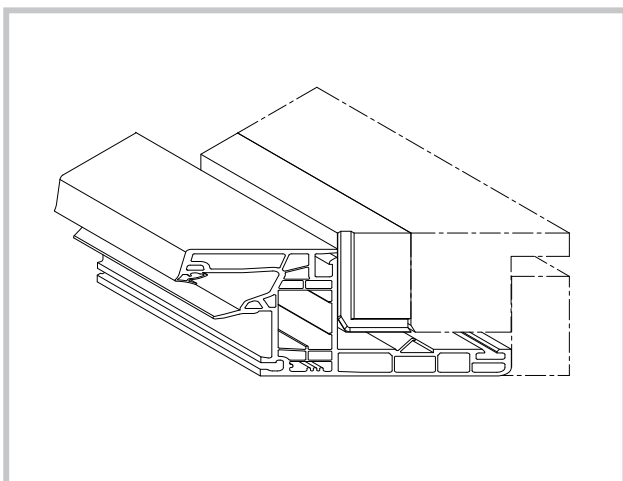
- 🇮🇹 **Controsagome in alluminio per saldatura**
SERIE HI-TECH 2 TESTA PIANO CAPOVOLTO
- 🇬🇧 **Aluminium counterprofiles for welding HI-TECH SERIES 2HEADS WITH REVERSE PLAN**
- 🇪🇸 **Contraformas en aluminio para soldar SERIE HI-TECH 2 CABEZAS**

Articolo Article/Articulo	Descrizione Description/Descripcion
0.03H2T/03	Controsagome in due pezzi con molle per anta arretrata con coltello guarnizione <i>Welding block in two pieces with springs, for backward door with gasket knife</i> <i>Contraforma en dos piezas con muelles para hoja atrasada con cuchilla para goma</i>
0.03H2T/03C	Controsagome in due pezzi con molle per anta arretrata con coltello guarnizione e coltello sagomato regolabile <i>Welding blocks in two pieces with springs, for backward door with gasket knife and profiled adjustable knife</i> <i>Contraforma en dos piezas con muelles para hoja atrasada con cuchilla para goma y cuchilla con forma y regulable</i>
0.03H2T/04	Controsagome in due pezzi con molle per anta semicomplanare con coltello guarnizione e piattello superiore regolabile <i>Welding blocks in two pieces for rounded exterior door with springs, gasket knife and adjustable higher metal plate</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma y pletina superior regulable</i>
0.03H2T/04C	Controsagome in due pezzi con molle per anta semicomplanare con coltello guarnizione coltello sagomato regolabile e piattello superiore regolabile <i>Welding blocks in two pieces for rounded exterior door with springs, gasket knife, profiled adjustable knife and adjustable higher metal plate</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma con cuchilla con forma y regulable y pletina superior regulable</i>
0.03H2T/05	Controsagoma in due pezzi con molle per telaio a "Z" <i>Welding block in two pieces with springs, for "Z" shape frame</i> <i>Contraforma en dos piezas con muelles para marco en forma de "Z"</i>
0.03H2T/05C	Controsagoma in due pezzi con molle per telaio a "Z" con coltello sagomato regolabile <i>Welding block in two pieces with springs for "Z" shape frame, with profiled adjustable knife</i> <i>Contraforma en dos piezas con muelles para marco en forma de "Z" con cuchilla con forma y regulable</i>

0.03H/2T

- 🇮🇹 Controsagome in alluminio per saldatura
SERIE HI-TECH 2 TESTA PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 2HEADS WITH REVERSE PLAN
- 🇩🇪 Contraformas en aluminio para soldar SERIE HI-TECH 2 CABEZAS

0.03H2T/05 modulo/modular unit



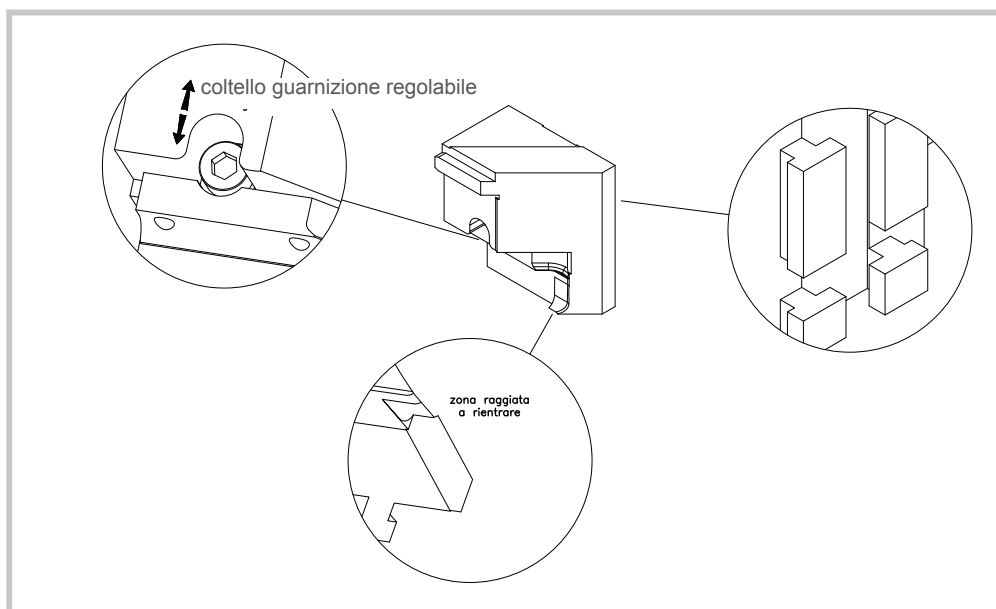
0.03H/2T

- 🇮🇹 Controsagome in alluminio per saldatura
SERIE HI-TECH 2 TESTA PIANO CAPOVOLTO
- 🇬🇧 Aluminium counterprofiles for welding HI-TECH SERIES 2HEADS WITH REVERSE PLAN
- 🇪🇸 Contraformas en aluminio para soldar SERIE HI-TECH 2 CABEZAS

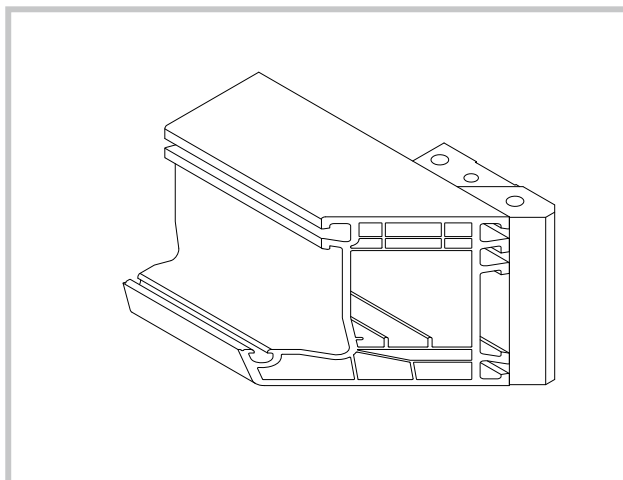
Articolo <i>Article/Articulo</i>	Descrizione <i>Description/Descripción</i>
0.03H2T/05 modulo	Modulo laterale per telai “z” da applicare a 003H2T/05-05C <i>Lateral modular unit for “Z” shape frames, to be applied to 003H1T/05-05C</i> <i>Modulo lateral para marco con en forma de “Z” para aplicar a 003H1T/05-05C</i>

0.03I/4T Graf Synergy SL4FF

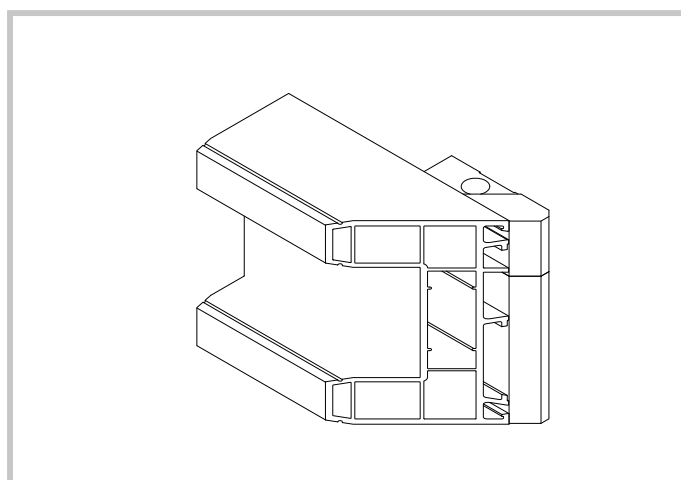
- 🇮🇹 Controsagome in alluminio per saldatura serie hi-tech 4 teste
- 🇬🇧 Aluminium welding blocks for welding of 4 heads hi-tech series
- 🇪🇸 Contraforma en aluminio para soldar serie hi-tech 4 teste



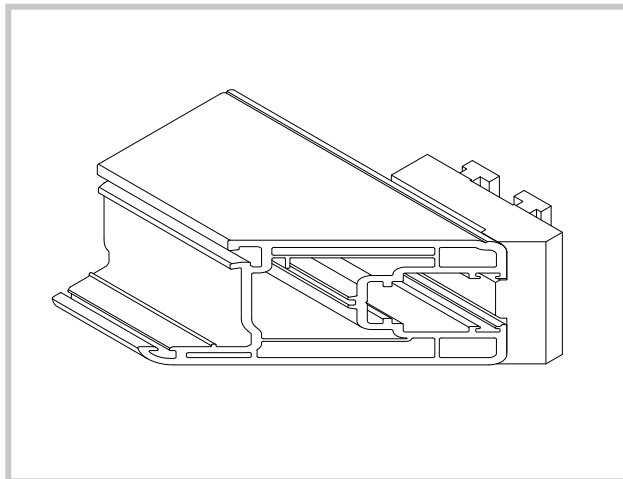
0.03I4T/01



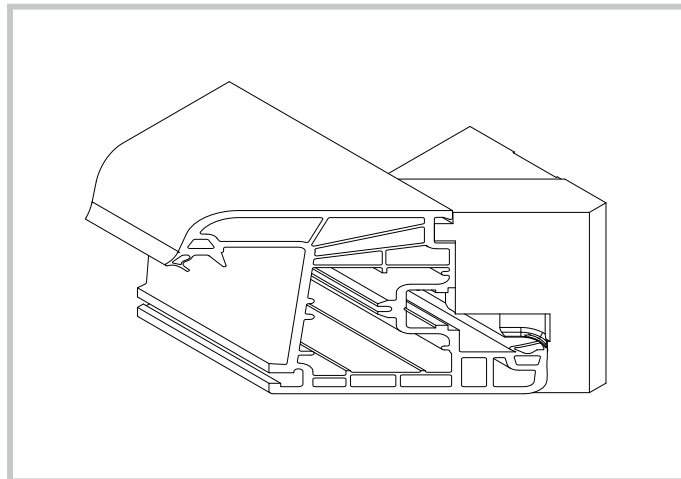
0.03I4T/01 modulo/modular unit



0.03I4T/02



0.03I4T/03



0.03I/4T Graf Synergy SL4FF

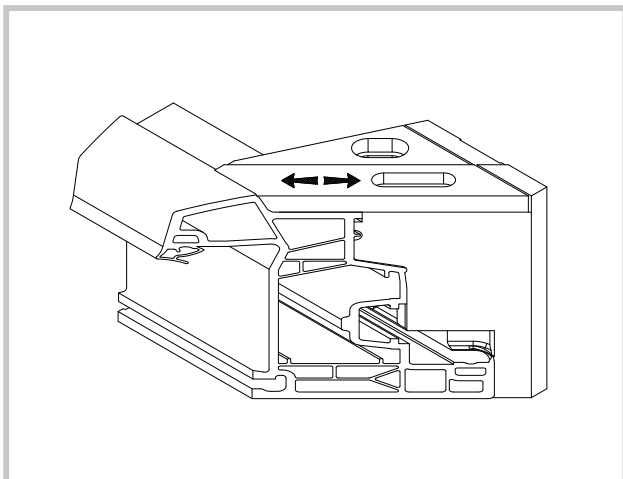
- 🇮🇹 Controsagome in alluminio per saldatura serie hi-tech 4 teste
- 🇬🇧 Aluminium welding blocks for welding of 4 heads hi-tech series
- 🇪🇸 Contraforma en aluminio para soldar serie hi-tech 4 teste

Articolo <i>Article/Articulo</i>	Descrizione <i>Description/Descripción</i>
0.03I4T/01	Controsagoma fissa per telaio a "L" <i>Fixed welding block for "L" shape frame</i> <i>Contraforma fija para marco en forma de "L"</i>
0.03I4T/01 modulo	Modulo superiore per telai "L" da applicare a 003I4T/01 <i>Higher modular unit for "L" shape frames, to be applied to 003I4T/01</i> <i>Modulo superior para hoja en forma de "L" para aplicar a 003I4T/01</i>
0.03I4T/02	Controsagoma fissa per anta scorrevole <i>Fixed welding block for sliding door</i> <i>Contraforma fija para hoja corredera</i>
0.03I4T/03	Controsagoma fissa per anta arretrata con coltello guarnizione <i>Fixed welding block for backward door with gasket knife</i> <i>Contraforma fija para hoja atrasada con cuchilla para goma</i>

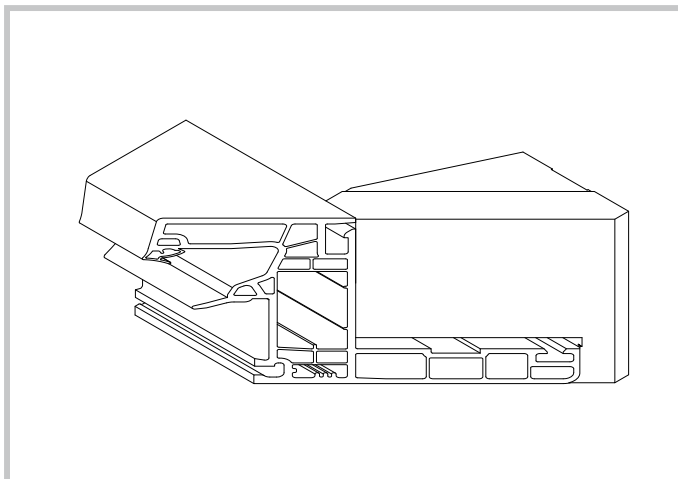
0.03I/4T Graf Synergy SL4FF

- 🇮🇹 Controsagome in alluminio per saldatura serie hi-tech 4 teste
- 🇬🇧 Aluminium welding blocks for welding of 4 heads hi-tech series
- 🇪🇸 Contraforma en aluminio para soldar serie hi-tech 4 teste

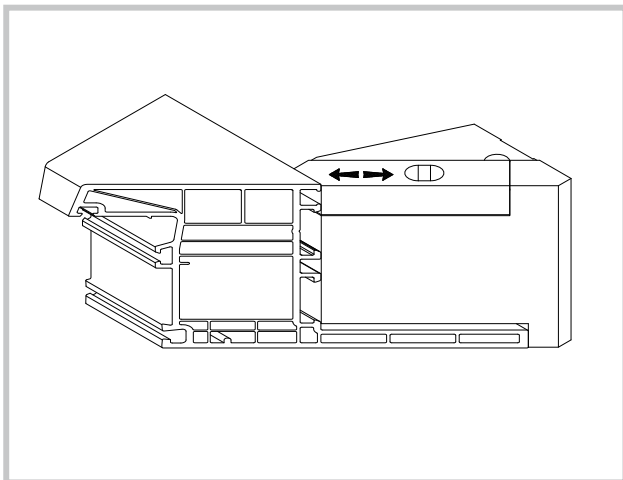
0.03I4T/04



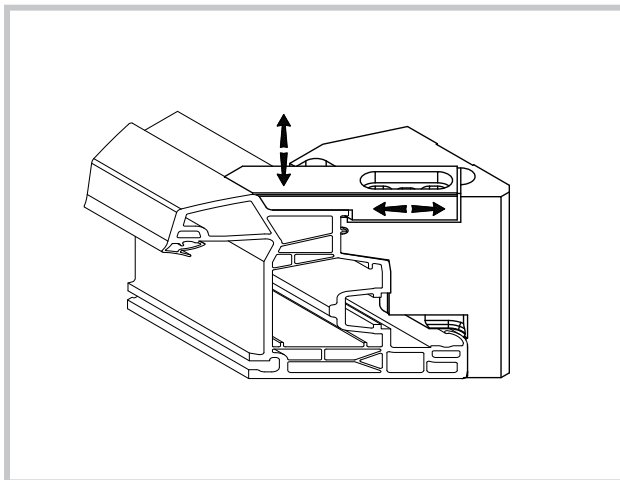
0.03I4T/05



0.03I4T/06



0.03I4T/07



0.03I/4T Graf Synergy SL4FF

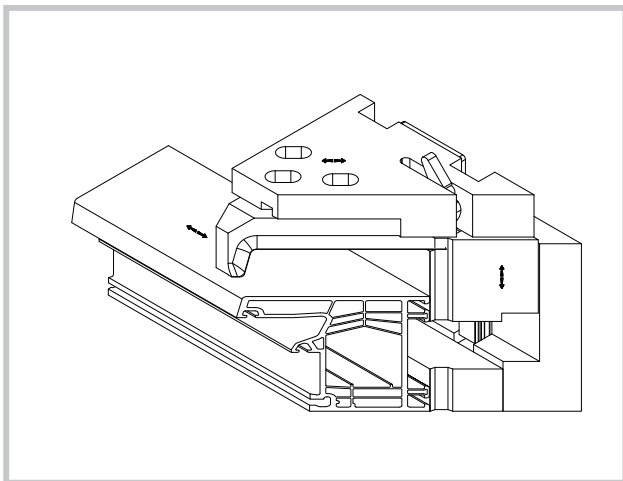
-  Controsagome in alluminio per saldatura serie hi-tech 4 teste
-  Aluminium welding blocks for welding of 4 heads hi-tech series
-  Contraforma en aluminio para soldar serie hi-tech 4 teste

Articolo Article/Articulo	Descrizione Description/Descripción
0.03I4T/04	Controsagoma fissa per anta semicomplanare con coltello guarnizione e piattello superiore regolabile <i>Fixed welding block for rounded exterior door, with gasket knife and adjustable higher metal plate</i> <i>Contraforma fija para hoja redonda con cuchilla para goma y pletina superior regulable</i>
0.03I4T/05	Controsagoma fissa per telaio a "Z" <i>Fixed welding block for "Z" shape frame</i> <i>Contraforma fija para marco en forma de "Z"</i>
0.03I4T/06	Controsagoma fissa per telaio a "Z" con listello superiore regolabile <i>Fixed welding block for "Z" shape frame, with adjustable higher metal plate</i> <i>Contraforma fija para marco en forma de "Z" con piezas superior regulable</i>
003I4T/07	Controsagoma per anta semicomplanare con coltello guarnizione e piattello superiore regolabile a molla <i>Welding block for rounded exterior door with gasket knife and adjustable lower metal plate with springs</i> <i>Contraforma para hoja redonda con cuchilla para goma y pletina superior regulable a muelles</i>

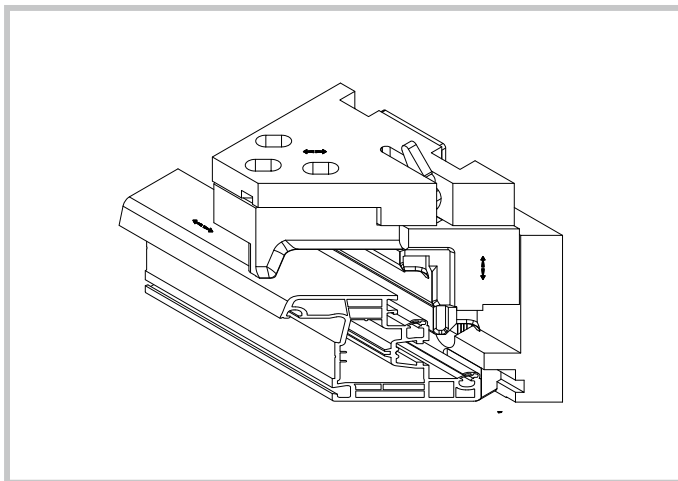
0.03L PATENT PENDING

- 🇮🇹 Controsagome in alluminio per saldatura serie HI-TECH EVOLUTION - EDGE SYSTEM
- 🇬🇧 Aluminium welding blocks for welding of HI-TECH SERIES EVOLUTION EDGE SYSTEM
- 🇪🇸 Contraforma en aluminio para soldar serie HI-TECH EVOLUTION - EDGE SYSTEM

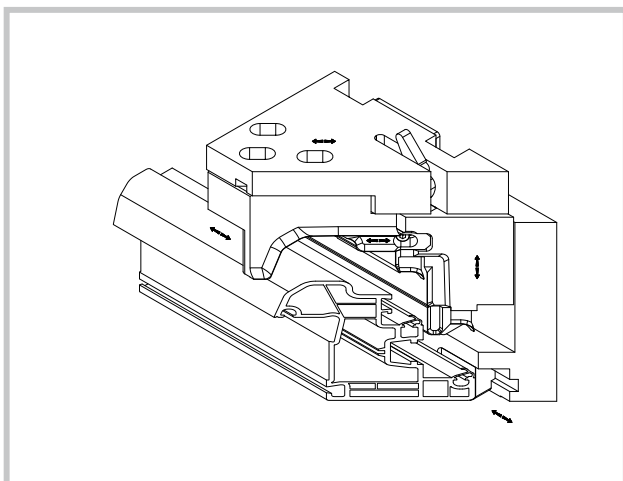
0.03L/01



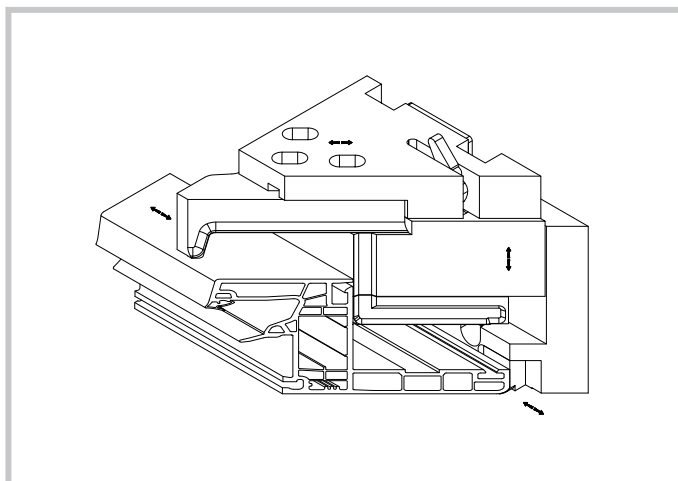
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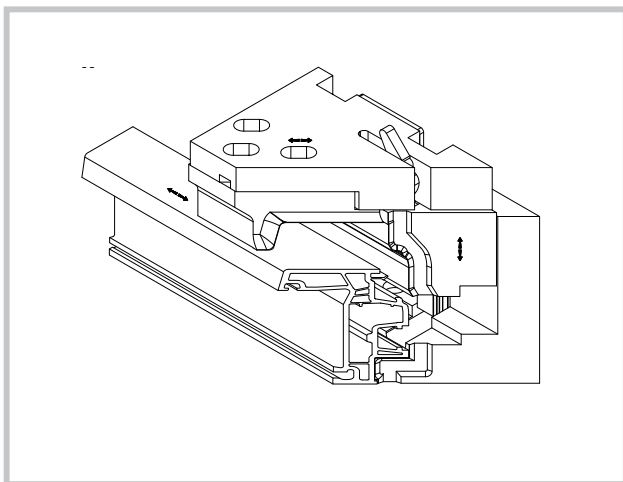
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0.03L/04



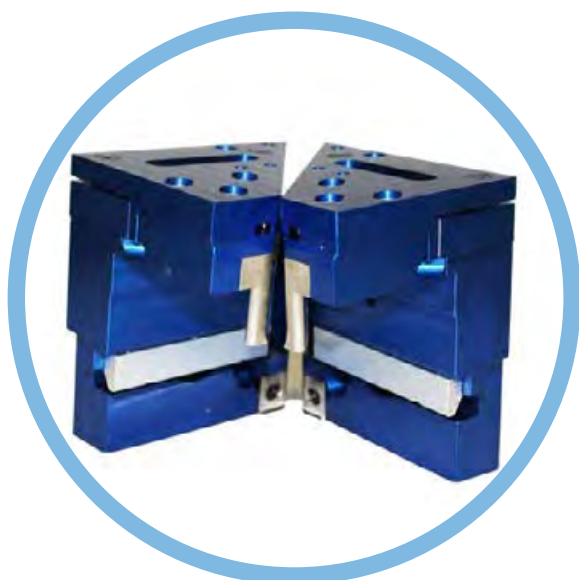
0.03L/05



0.03L PATENT PENDING

- 🇮🇹 **Controsagome in alluminio per saldatura serie HI-TECH EVOLUTION - EDGE SYSTEM**
- 🇬🇧 **Aluminium welding blocks for welding of HI-TECH SERIES EVOLUTION EDGE SYSTEM**
- 🇪🇸 **Contraforma en aluminio para soldar serie HI-TECH EVOLUTION -EDGE SYSTEM**

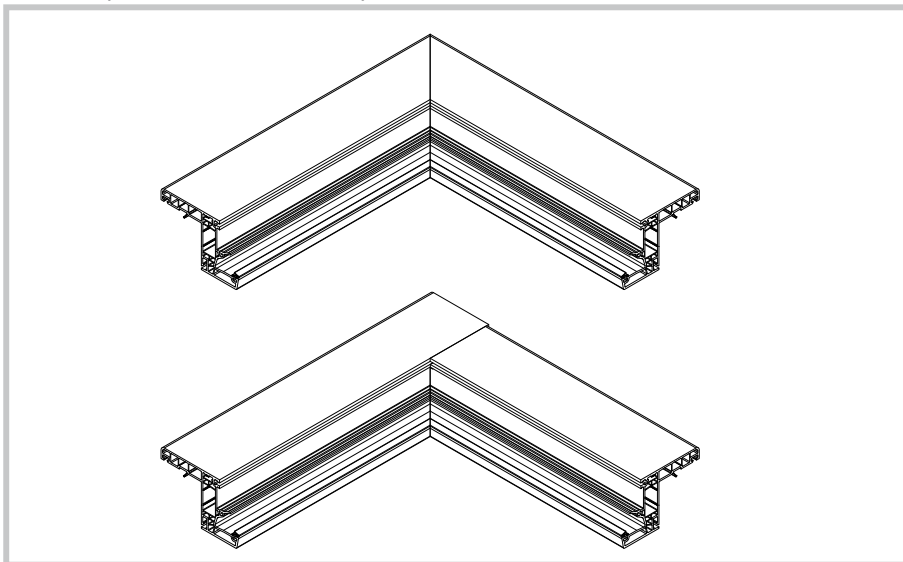
Articolo Article/Articulo	Descrizione Description/Descripción
0.03L/01	Controsagoma in due pezzi con molle per telaio a "L" con sistema di limitazione cordolo interno <i>Welding block in two pieces with springs, for "L" shape frame, with controlled system of the inner welding bead</i> <i>Contraforma en dos piezas con muelles para marco en forma de "L" y sistema de limitación de los cordones interno</i>
0.03L/02	Controsagoma in due pezzi con molle per anta arretrata con coltello guarnizione, coltello sagomato regolabile e sistema di limitazione cordolo interno <i>Welding block in two pieces with springs, for backward door with gasket knife, profiled adjustable knife and controlled system of the inner welding bead</i> <i>Contraforma en dos piezas con muelles para hoja atrasada con cuchilla para goma y cuchilla con forma y regulable y sistema de limitación de los cordones interno</i>
0.03L/03	Controsagoma in due pezzi con molle per anta semicomplanare con coltello guarnizione, coltello sagomato regolabile e sistema di limitazione cordolo interno <i>Welding block in two pieces with springs, for rounded exterior door with gasket knife, profiled adjustable knife and controlled system of the inner welding bead</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma y cuchilla con forma y regulable y sistema de limitación de los cordones interno</i>
0.03L/04	Controsagoma in due pezzi con molle per telaio a "Z" con coltello sagomato regolabile e sistema di limitazione cordolo interno <i>Welding block in two pieces with springs, for "Z" shape frame, with profiled adjustable knife and controlled system of the inner welding bead</i> <i>Contraforma en dos piezas con muelles para marco en forma de "Z" con cuchilla con forma y regulable y sistema de limitación de los cordones interno</i>
0.03L/05	Controsagoma in due pezzi con molle per profili nodo ridotto con sistema di limitazione cordolo interno <i>Welding block in two pieces with springs, for profiles for frame exchange, with controlled system of the inner welding bead</i> <i>Contraforma en dos piezas con muelles para perfils</i>



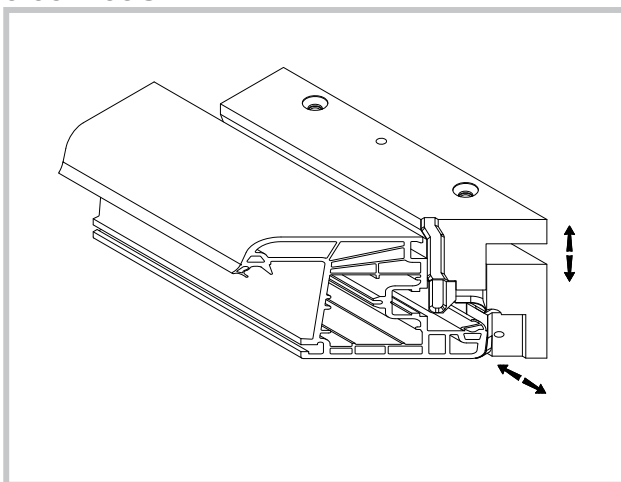
0.03M

- 🇮🇹 Controsagoma in alluminio serie HI-TECH piano capovolto per saldatura profili a 45° e 90° compreso di coltello intercambiabile
- 🇬🇧 Aluminium welding block HI-TECH series, inverted flat surface, for welding of profiles at 45° and 90°, including interchangeable knife
- 🇧🇪 Contraforma en aluminio para soldar serie HI-TECH plano invertido para perfil a 45° e 90°, incluyendo cuchillo intercambiabile

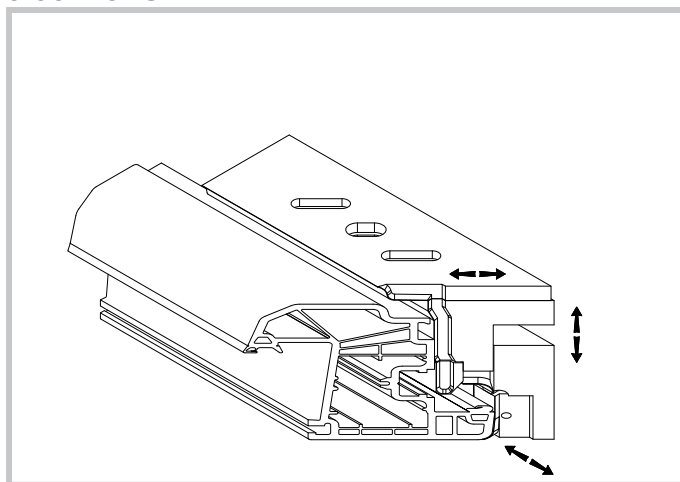
0.03M (saldatura 45°-90°)



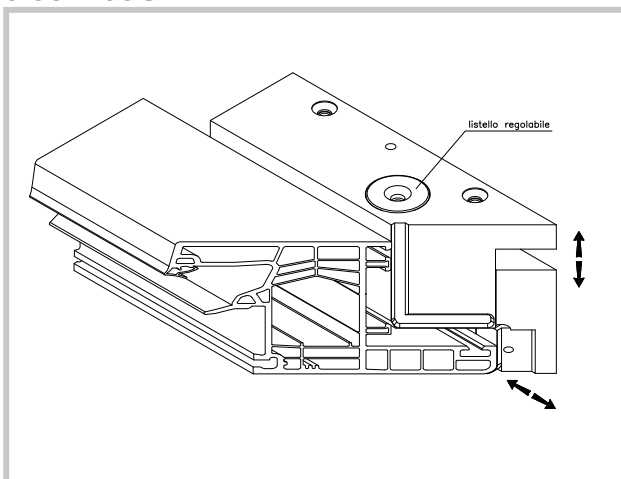
0.03M/03C



0.03M/04C



0.03M/05C



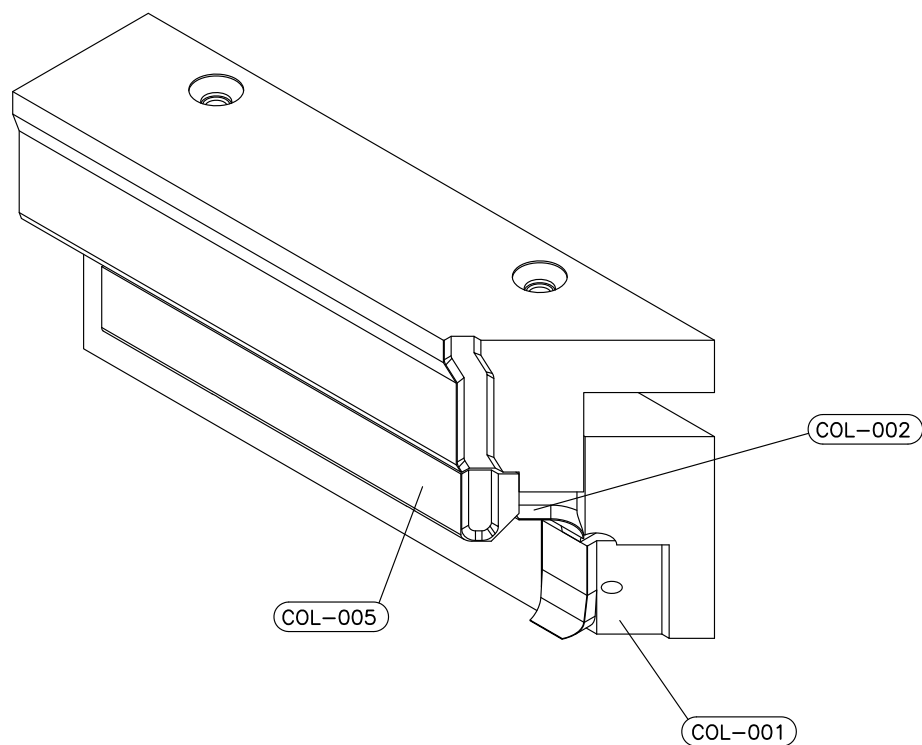
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- 🇮🇹 **Controsagoma in alluminio serie HI-TECH piano capovolto per saldatura profili a 45° e 90° compreso di coltello intercambiabile**
- 🇬🇧 **Aluminium welding block HI-TECH series, inverted flat surface, for welding of profiles at 45° and 90°, including interchangeable knife**
- 🇪🇸 **Contraforma en aluminio para soldar serie HI-TECH piano invertido para perfil a 45° e 90°, incluyendo cuchillo intercambiabile**

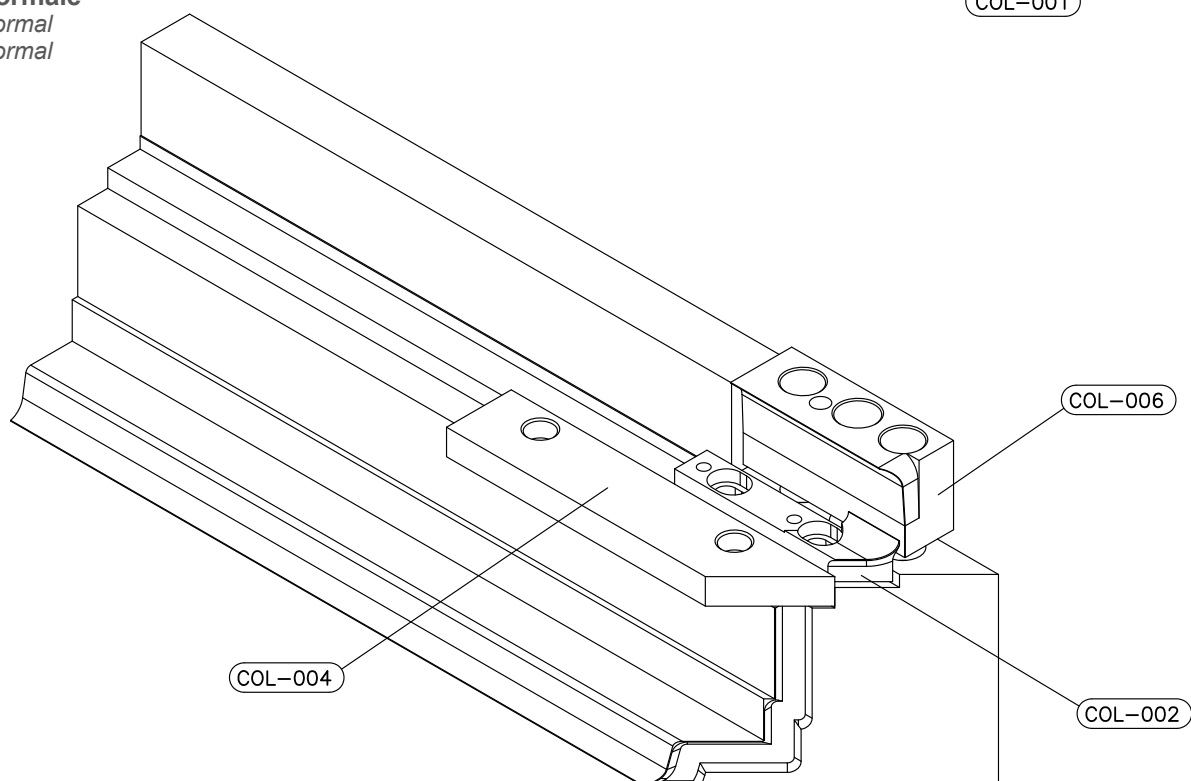
Articolo Article/Articulo	Descrizione Description/Descripción
0.03M/03C	Controsagoma in due pezzi con molle per anta arretrata con coltello guarnizione e coltello sagomato regolabile <i>Welding block in two pieces with springs, for backward door with gasket knife and profiled adjustable knife</i> <i>Contraforma en dos piezas con muelles para hoja atrasada con cuchilla para goma y cuchilla con forma y regulable</i>
0.03M/04C	Controsagoma in due pezzi con molle per anta semicomplanare con coltello guarnizione, coltello sagomato regolabile e piattello superiore regolabile <i>Welding blocks in two pieces with springs, for rounded exterior door, with gasket knife, profiled adjustable knife and adjustable higher metal plate</i> <i>Contraforma en dos piezas con muelles para hoja redonda con cuchilla para goma y cuchilla con forma y regulable y pletina superior regulable</i>
0.03M/05C	Controsagoma in due pezzi con molle per telaio a "Z" con coltello regolabile <i>Welding blocks in two pieces with springs, for "Z" shape frame, with adjustable knife</i> <i>Contraforma en dos piezas con muelles para marco en forma de "Z" con cuchilla para goma</i>

-  **Esempio di controsagoma**
-  **Exploded view regarding counterprofiles**
-  **Ejemplo contraforma**

Capovolta
Reversed
Piano invertido

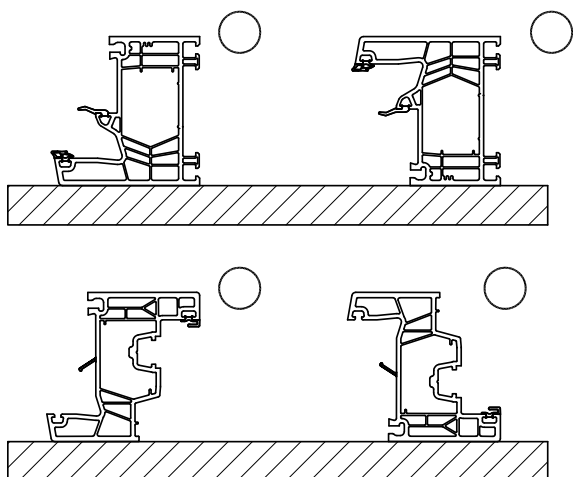


Normale
Normal
Normal



- 🇮🇹 Scheda per dati e tipo attacchi delle controsagome, da compilare
 🇬🇧 Sheet to be filled in with data and type of attacks of the counterprofiles
 🇪🇸 Ficha para llenar con datos y ataques de las contraformas

PIANO DI LAVORO



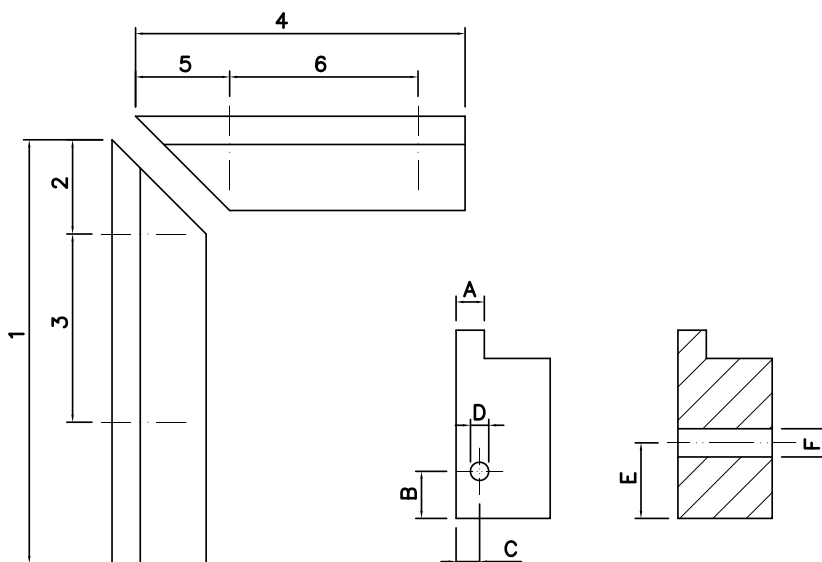
MARCA E MODELLO SALDATRICE

FOTO ATTACCHI

SI

NO

1 TESTA

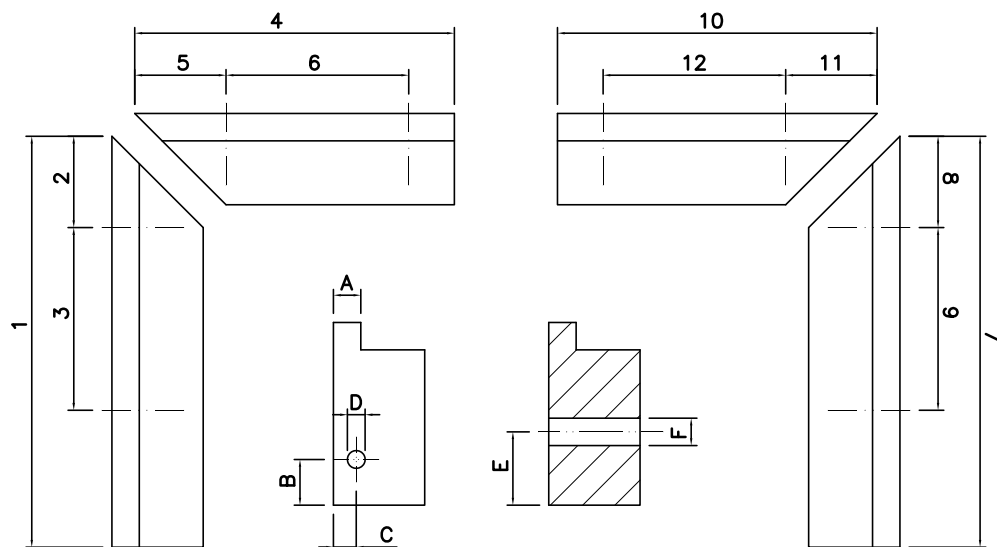


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4	_____	mm
5	_____	mm
6	_____	mm

A	_____	mm
B	_____	mm
C	_____	mm
D	_____	mm
E	_____	mm
F	_____	mm

- 🇮🇹 Scheda per dati e tipo attacchi delle controsagome, da compilare
 🇬🇧 Sheet to be filled in with data and type of attacks of the counterprofiles
 🇪🇸 Ficha para llenar con datos y ataques de las contraformas

2 TESTE

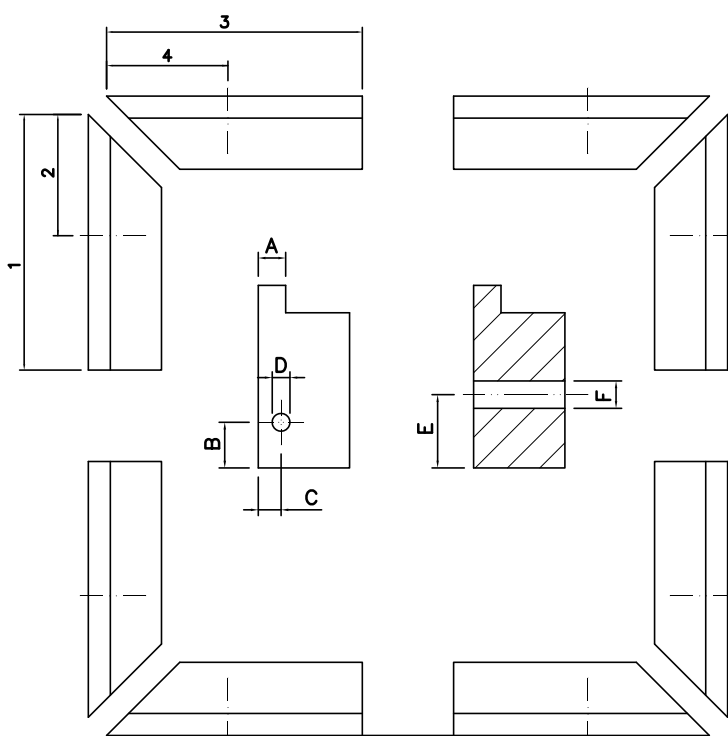


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C	_____	mm
D	_____	mm
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4 TESTE



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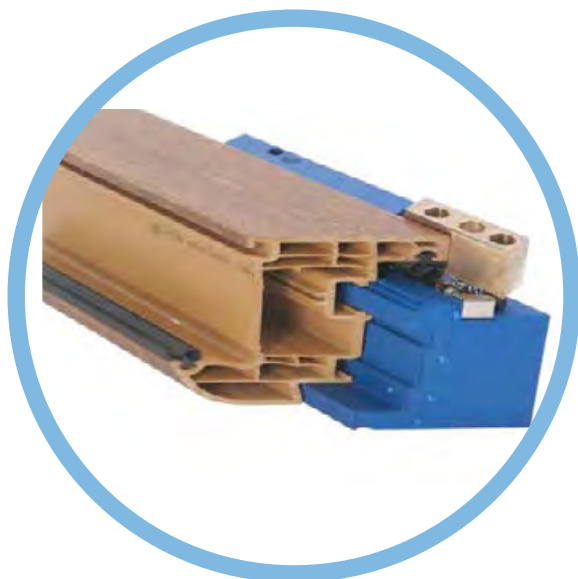
 Esempi costruttivi di controsagome della serie PERFORMANCE
 Examples of counterprofiles PERFORMANCE SERIES
 Ejemplos de productos terminados con contraformas SERIE PERFORMANCE



Controsagoma per anta, coltello con molle regolabili sopra e sotto, coltello guarnizione supporto nella cavaferamenta.

Counterprofiles for leaf knife with adjustable spring above and below, gasket knife, ironmongery support.

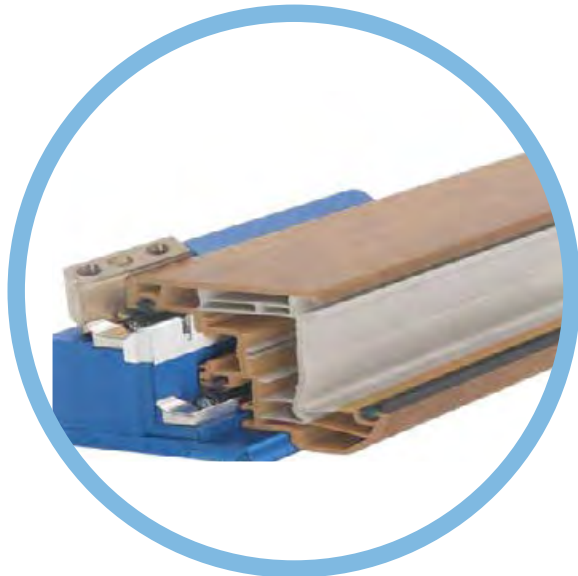
Contraforma para hoja, cuchilla con muelles regulables encima y por debajo, cuchilla para goma apoyo de fresado herrajes.



Controsagoma per anta con coltello della battuta sagomato e su molle.

Counterprofile for leaf with knife of the stop, shaped and on springs.

Contraforma para hoja con cuchilla del tope con forma y sobre muelles.



Controsagoma per anta, coltello con molle regolabili sopra, coltello guarnizione limitatore cava ferramenta.

Counterprofiles for leaf knife with adjustable spring above, gasket knife, fittings support mill.

Contraforma para hoja cuchilla con muelles regulables encima, cuchilla para goma apoyo de fresado herrajes.

 Esempi costruttivi di controsagome della serie PERFORMANCE
 Examples of counterprofiles PERFORMANCE SERIES
 Ejemplos de productos terminados con contraformas SERIE PERFORMANCE



Controsagoma con coltello a molle regolabile sopra e coltello guarnizione.

Counterprofiles with moving upper knife and sealing knife.

Contraforma concuchilla a muelles regulable encima y cuchilla para goma.



Controsagoma per anta, coltello con molle regolabili sopra, coltello guarnizione, supporto nella cava ferramenta e riporto inferiore per semicomplanare.

Counterprofiles for leaf, with moving upper knife, seal knife, support the lower and compensation fittings groove strips for semi flush area.

Contraforma para hoja cuchilla con muelles regulables encima, cuchilla para goma, y apoyo de fresado herrajes y tope inferior para semicomplanar.



Controsagoma in acciaio con limitatore cordolo interno ed esterno per la saldatura di profili simmetrici (traversi).

Steel counterprofile with exterior and interior limiter to weld balanced.

Contraforma en acero con limitador cordon de soldadura interior y exterior para soldadura de perfiles simetricos (travesaño).

 Esempi costruttivi di controsagome della serie PERFORMANCE
 Examples of counterprofiles PERFORMANCE SERIES
 Ejemplos de productos terminados con contraformas SERIE PERFORMANCE



Controsagoma in acciaio con coltello superiore e inferiore mobile su molle, coltello guarnizione e supporto per la cava ferramenta.

Steel counterprofiles with lower and upper knife sliding on springs, gasket knife and support for fittings groove.

Contraforma en acero con cuchilla superior y inferior movil sobre muelles, cuchilla para goma y fresado de apoyo herrajes.



Controsagoma in acciaio per saldatrici hassomat a 4 teste.

Steel counterprofiles for hassomat 4 heads welding machine.

Contraforma en acero para soldadoras hassomat con 4 cabezas.

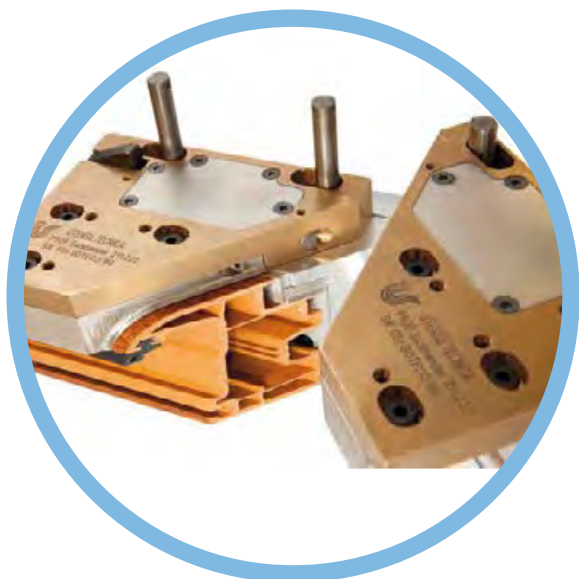
Esempi di controsagome della serie HI-TECH
Examples of counterprofiles HI-TECH series
Ejemplos de contraformas serie HI-TECH



Controsagoma per saldare 2 profili in contemporanea su saldatrice a 4 teste.

Counterprofile to weld 2 profiles at the same time with a 4 heads welding machine.

Contraforma para soldar 2 perfiles al mismo tiempo con la soldadora a 4 cabezas.



Controsagoma per saldatrice a 4 teste con scorrimento orizzontale e limitatore sulle due facce del profilo.

Counterprofiles for 4 heads welding machine with horizontal slide and strip on the two sides of the profile.

Contraforma para soldadora a 4 cabezas con desplazamiento horizontal y limitador en las dos caras del perfil.



Base per controsagoma per saldatrice sturtz a 4 teste.

Base for counterprofile for sturtz 4 head welding machine.

Apoyo para contraforma para soldadora sturtz a 4 cabezas.

- 🇮🇹 Controsagome per saldatrice EMMEGI a 4 teste
- 🇬🇧 Counterprofiles for EMMEGI 4 heads welding M/C
- 🇪🇸 Contraforma para soldadora EMMEGI a 4 cabezas



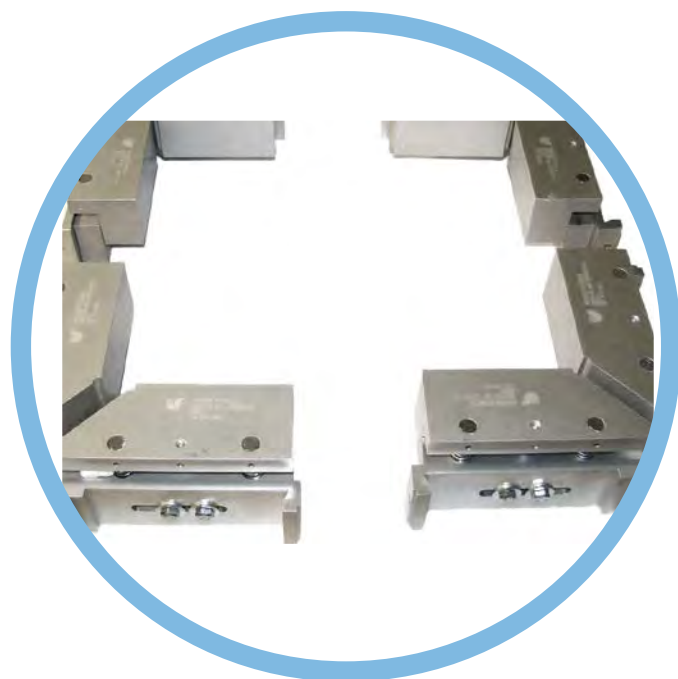
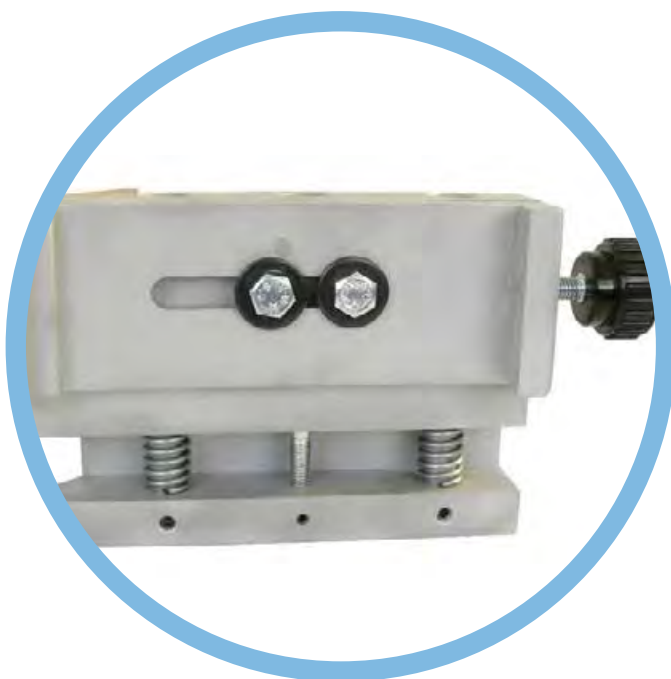
- 🇮🇹 Controsagome per saldatrice GRAF-SINERGY a 4 teste (EX STB)
- 🇬🇧 Counterprofiles for GRAF SYNERGY (EX STB) 4 heads welding M/C
- 🇪🇸 Contraforma para soldadora GRAF-SYNERGY a 4 cabezas (EX STB)



- 🇮🇹 Controsagome per saldatrice PROFTEQ a 4 teste
- 🇬🇧 Counterprofiles for PROFTEQ 4 heads welding M/C
- 🇩🇪 Contraforma para soldadora PROFTEQ a 4 cabezas



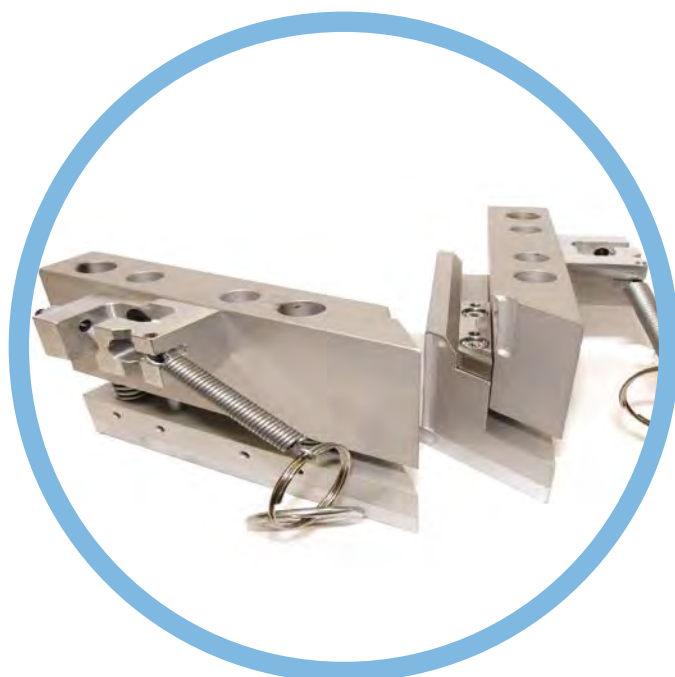
- 🇮🇹 Controsagome per saldatrice SOENEN a 4 teste
- 🇬🇧 Counterprofiles for SOENEN 4 heads welding M/C
- 🇩🇪 Contraforma para soldadora SOENEN a 4 cabezas



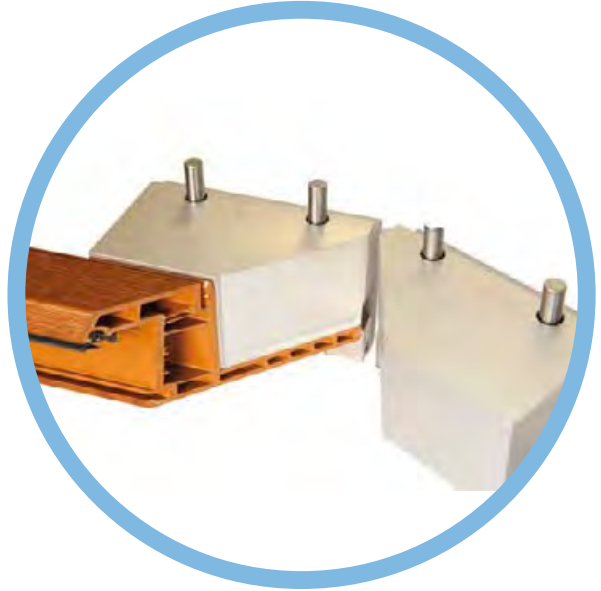
- 🇮🇹 Controsagome doppia per saldatrice SOMEKO a 4 teste
- 🇬🇧 Counterprofiles for SOMEKO 4 heads welding M/C
- 🇩🇪 Contraforma para soldadora SOMEKO a 4 cabezas



- 🇮🇹 Controsagome per saldatrice URBAN a 4 teste
- 🇬🇧 Counterprofiles for STURTZ 4 heads welding M/C
- 🇩🇪 Contraforma para soldadora STURTZ a 4 cabezas



- 🇮🇹 Controsagome per saldatrice STURTZ a 4 teste
- 🇬🇧 Counterprofiles for STURTZ 4 heads welding M/C
- 🇩🇪 Contraforma para soldadora STURTZ a 4 cabezas

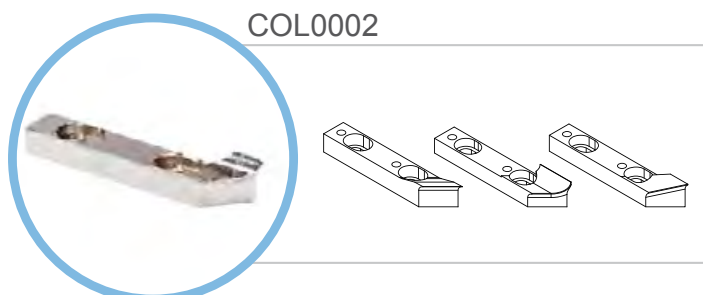


0.04

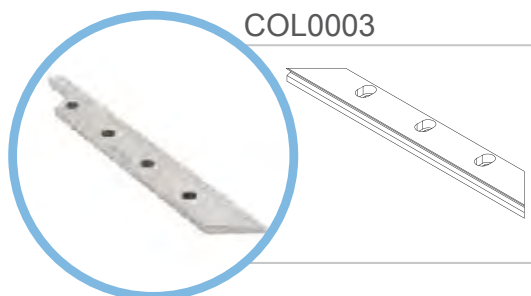
Coltelli di ricambio
Spare Knives
Cuchillas de repuesto



COL0001



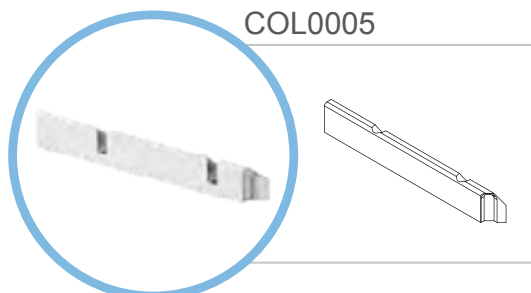
COL0002



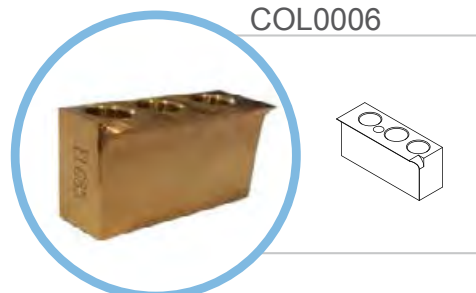
COL0003



COL0004



COL0005



COL0006

Articolo Article/Artículo	Descrizione Description/Descripción
COL0001	Coltelli sagomati inferiori controsagome capovolte Spare shaped lower knives for reversed welding Cuchillas inferiores con forma para contraforma a plano invertido
COL0002	Coltelli di ricambio schiaccia guarnizioni Spare knives to press gaskets Cuchillas de repuestos prensa goma
COL0003	Coltelli di ricambio in acciaio per saldatrici Steel spare knives for welding machines Cuchillas de repuestos en acero para soldadoras
COL0004	Coltelli in alluminio per sostegno profilo dentro cava ferramenta Aluminium knives to support the profile inside the hardware hollow Cuchillas en aluminio para perfil con alojamiento incorporado
COL0005	Coltelli in alluminio per sostegno profilo dietro guarnizione Aluminium knives to support the profile in the back of the gasket Cuchillas en aluminio para perfil atrás de la goma
COL0006	Coltelli sagomati superiori in bronzo per controsagome ante o telai serie "PERFORMANCE" Bronze shaped upper knives for welding blocks, windows and doors or frames series "PERFORMANCE" Cuchillas superiores con forma ec bronce para contraforma, hoja y marco serie "PERFORMANCE"
DIST0001	Distanziali SP. 0,1-0,2-0,5-1,0 Per articolo: COL0004, COL0005. Spacers SP. 0,1-0,2-0,5-1,0 for article: COL0004, COL0005. Espaciadores SP. 0,1-0,2-0,5-1,0 para artículo: COL0004, COL0005.

0.04/ATT

-  Ricambi per attacchi saldatrici
-  Spare parts for connections of welding machines
-  Repuesto para sujecion soldadoras

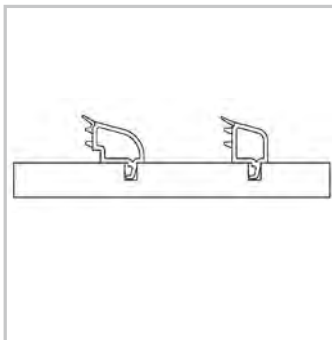


Codice Codes/Codigo	Descrizione Macchina Machine description/Descripcion maquina
0.04ATT/A	ATTACCO GRAF
0.04ATT/B	ATTACCO PROFTEQ
0.04ATT/C	ATTACCO ROTOX
0.04ATT/D	ATTACCO SOENEN
0.04ATT/F	ATTACCO URBAN
0.04ATT/G	ATTACCO EMMEGI
0.04/01	ATTACCO ACTUAL
0.04/02	ATTACCO ALUMA
0.04/03	ATTACCO ARTIKON
0.04/04	ATTACCO CIPRIANI
0.04/05	ATTACCO HAFFNER
0.04/06	ATTACCO HOLLINGER
0.04/07	ATTACCO ITALPLASTICK (RAPIDO)
0.04/08	ATTACCO KABAN
0.04/09	ATTACCO MECAL
0.04/10	ATTACCO MURAT
0.04/11	ATTACCO PERTICI (RAPIDO)
0.04/12	ATTACCO SCHTEC
0.04/13	ATTACCO YLMAZ

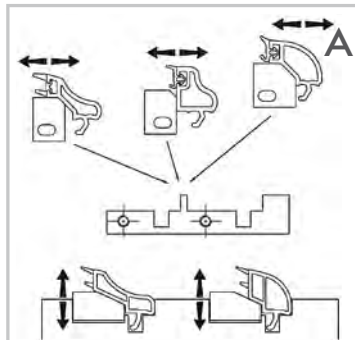
0.05

-  **Controsagome in alluminio per taglio fermavetri**
-  **Aluminium counterprofiles for cutting glazing bead profiles**
-  **Contraformas en aluminio por el corte de junquillos**

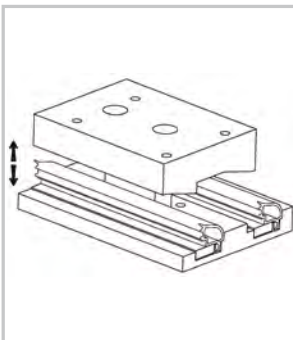
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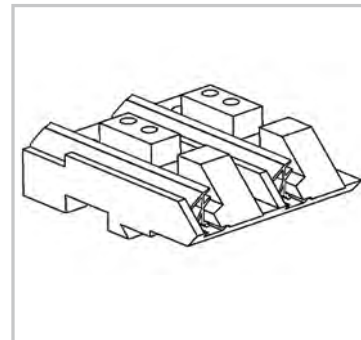
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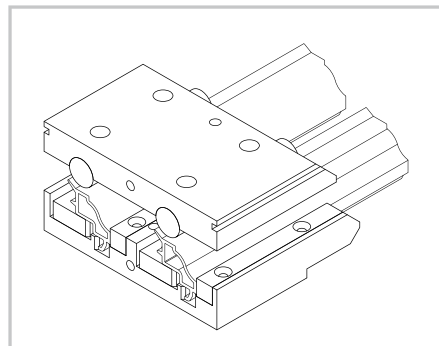
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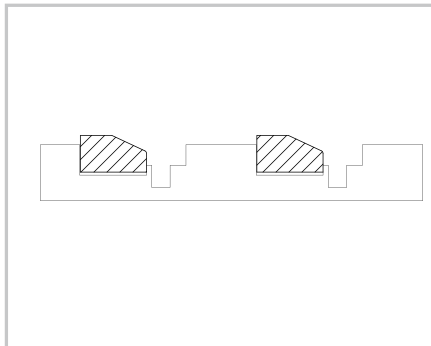
0.05/04



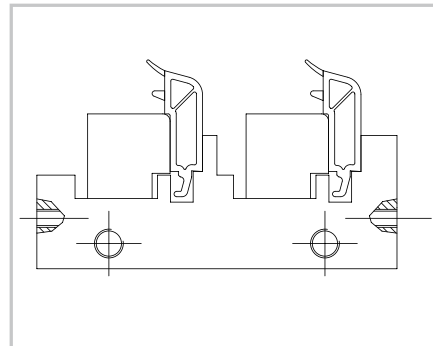
0.05/05



0.05/06



0.05/07



Articolo Article/Artículo	Descrizione Description/Descripción	Macchine Machines/Máquinas
0.05/01	Fermavetri doppi senza listelli <i>Double glazing bead profiles without strips</i> <i>Junquillos dobles sin tiras</i>	ABCD-EMMEGI-GEMMA GROUP-GRAF-PROFTEQ- PERTICI-MECAL
0.05/02	Fermavetri doppi con listelli regolabili <i>Double glazing bead profiles with adjustable strip</i> <i>Junquillos dobles con tiras regulables</i>	EMMEGI-GRAF-PROFTEQ- PERTICI MECAL-ELUMATEC
0.05/03	Fermavetri doppi con coperchio e listelli regolabili <i>Double glazing bead profiles with cover and adjustable strip</i> <i>Junquillos dobles con chapa y tiras regulables</i>	GEMMA GROUP-KABAN- WEGOMA - ITALPLASTICK
0.05/04	Fermavetri speciali <i>Special glazing bead profiles</i> <i>Junquillos especiales</i>	RAPID-ROTOX-HAFFNER
0.05/05	Fermavetri doppi con coperchio e listelli regolabili <i>Double glazing bead profiles with cover and adjustable strip</i> <i>Junquillos dobles con chapa y tiras regulables</i>	MURAT
0.05/06	KIT 4 Listelli (disegno A) <i>KIT 4 Strip (Drawing A)</i> <i>KIT 4 Tiras (Diseño A)</i>	
0.05/07	Fermavetri doppi con base <i>Double glazing bead profiles with basement</i> <i>Junquillos dobles con base</i>	SOENEN

🇮🇹 Scheda per dati e tipo attacchi delle controsagome, per taglio fermavetri da compilare

🇬🇧 Data sheet and type of joints of the welding blocks, for glazing bead cut, to be filled in

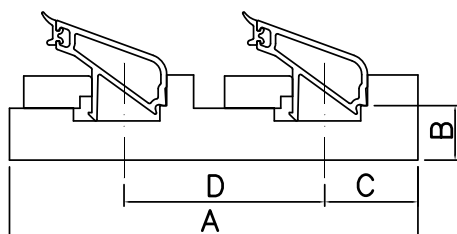
🇪🇸 Hoja de datos para la indicación del tipo de ataque para contraformas por el corte de junquillos

MARCA E MODELLO TRONCATRICE _____

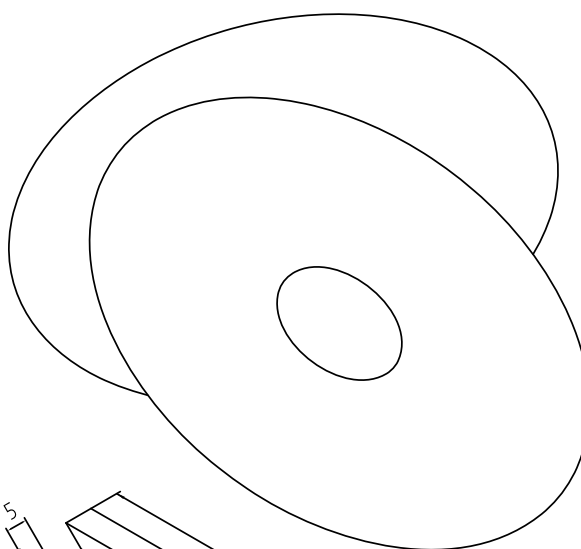
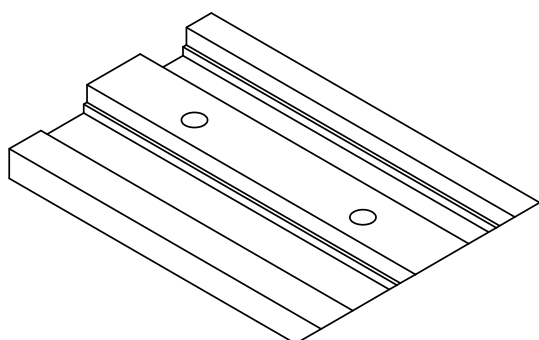
FOTO ATTACCHI

SI

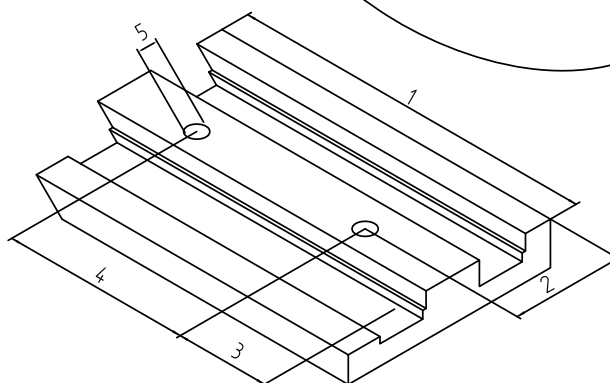
NO



A	_____	mm
B	_____	mm
C	_____	mm
D	_____	mm



1	_____	mm
2	_____	mm
3	_____	mm
4	_____	mm
5	_____	mm



 Esempi di controsgome per il taglio di fermavetri
 Exemples of counterprofiles for cutting glazing bead profiles
 Ejemplos de contraformas por el corte de junquillos

ELUMATEC



PROFTEQ



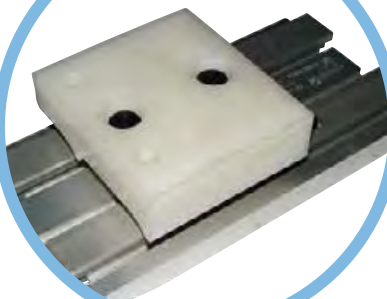
ROTOX



KABAN WEGOMA
EMMEGI



ABCD
GEMMA GROUP



ITALPLASTIK



MANUALE

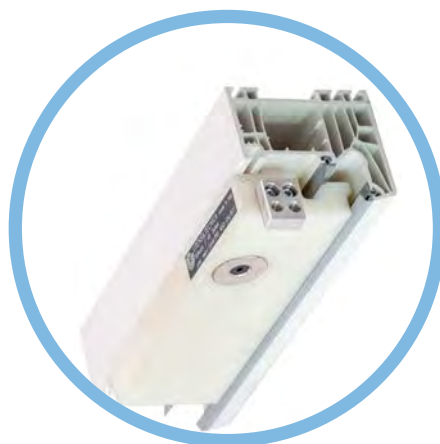
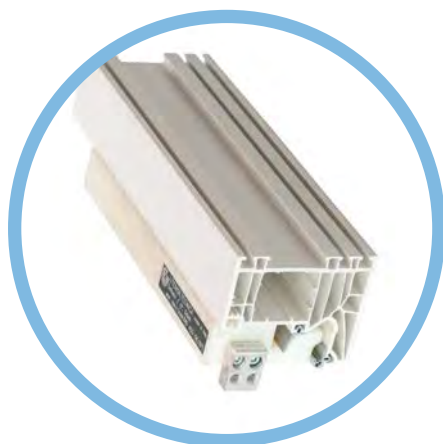


MURAT

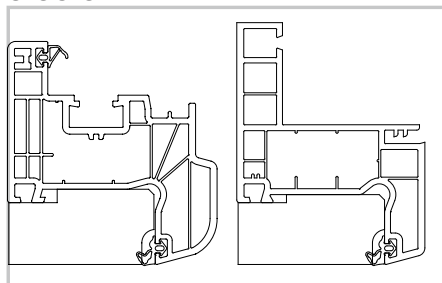


0.06

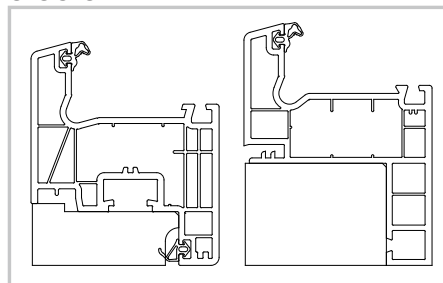
- 🇮🇹 **Controsagome in PVC per il taglio di profili principali per macchine troncatrici**
- 🇬🇧 **PVC counterprofiles for cutting off machines**
- 🇪🇸 **Contraformas en PVC por el corte de perfiles con tronadoras**



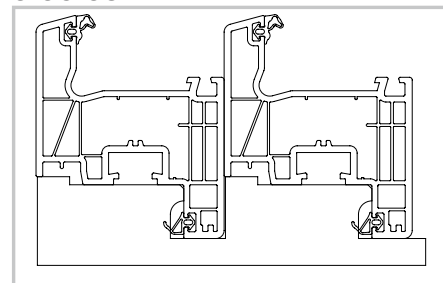
0.06/01



0.06/02



0.06/03



Articolo Article Artículo	Descrizione Description/Descripción
0.06/01	Controsagome in PVC per taglio profili su troncatrice doppia testa (posizionamento profilo come disegno) <i>PVC counterprofiles for cutting profiles on double-head cutting machine (profile positioning as per drawing)</i> Contraformas en PVC por el corte de perfiles con tronadoras dos cabezas (posicionamiento del perfil como se muestra en el dibujo)
0.06/02	Controsagome in PVC per taglio profili su troncatrice doppia testa (posizionamento profilo come disegno) <i>PVC counterprofiles for cutting profiles on double-head cutting machine (profile positioning as per drawing)</i> Contraformas en PVC por el corte de perfiles con tronadoras dos cabezas (posicionamiento del perfil como se muestra en el dibujo)
0.06/03	Controsagome in ALLUMINIO per taglio di due barre per volta su troncatrici tipo THORWESTERN <i>Aluminium couterprofiles for double-cutting (two profiles at a time) on THORNWESTERN-type cutting machines</i> Contraformas en aluminio para corte-doble (dos perfiles a la vez) en tronadoras tipo THORWESTERN



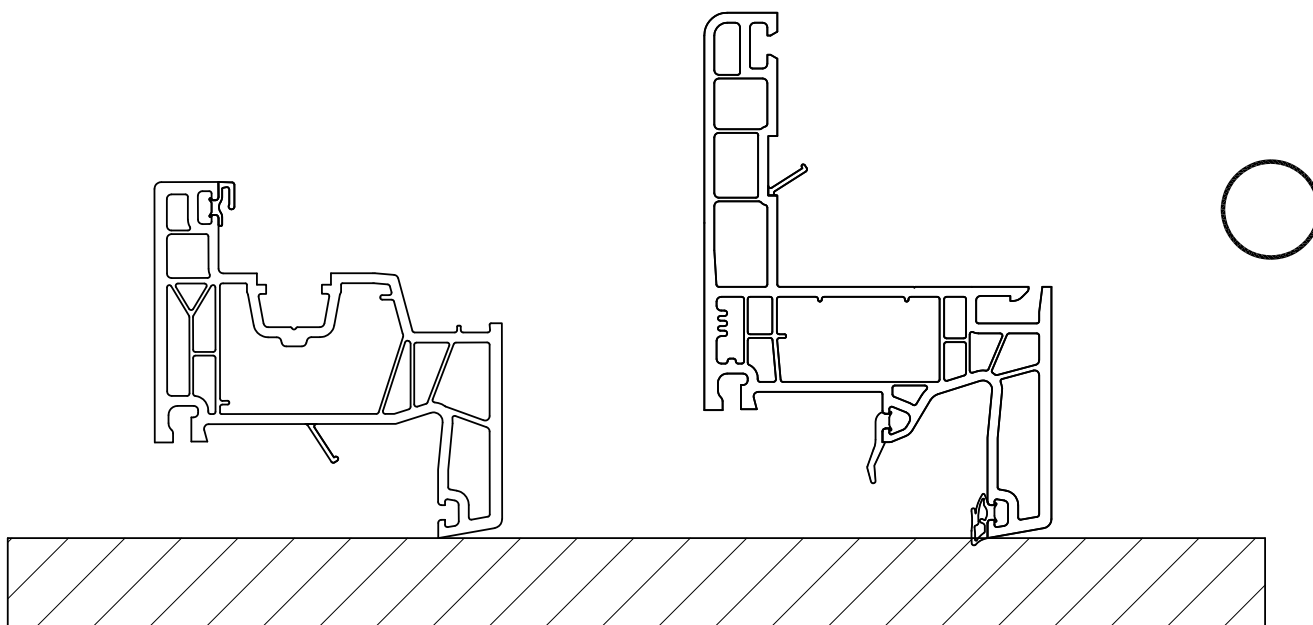
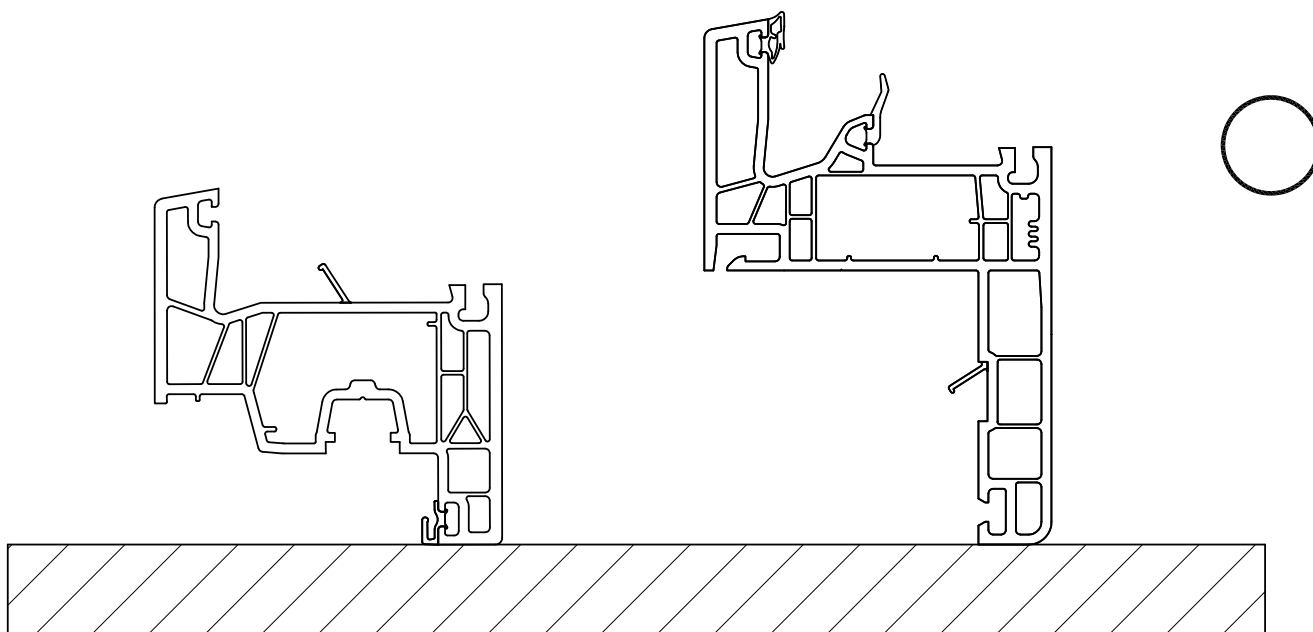
Esempio di controsgoma completa di pistone per non strappare la guarnizione
Example of welding block complete with piston, to avoid tearing the gasket
Ejemplo de una contraformas con un pistón para evitar que se rompa la junta

🇮🇹 Scheda per dati e tipo attacchi delle controsagome, per macchine troncatrici da compilare

🇬🇧 Data sheet and type of joints of the welding blocks, for cutting off machines, to be filled in

🇪🇸 Hoja de datos para la indicación del tipo de ataque para contraformas por maquina cortadora

PIANO DI LAVORO



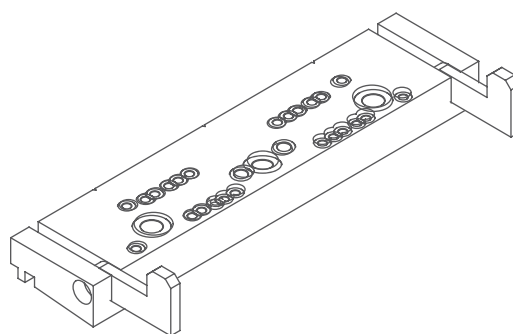
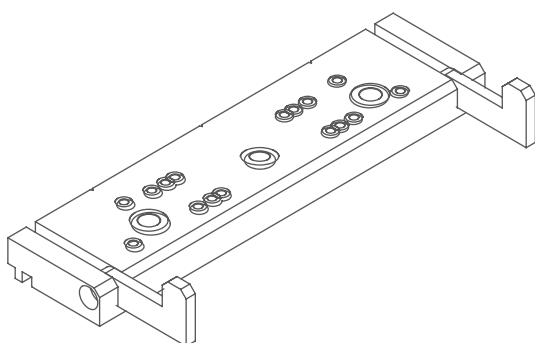
MARCA E MODELLO TRONCATRICE

0.07

🇮🇹 Maschere di foratura

🇬🇧 Templates

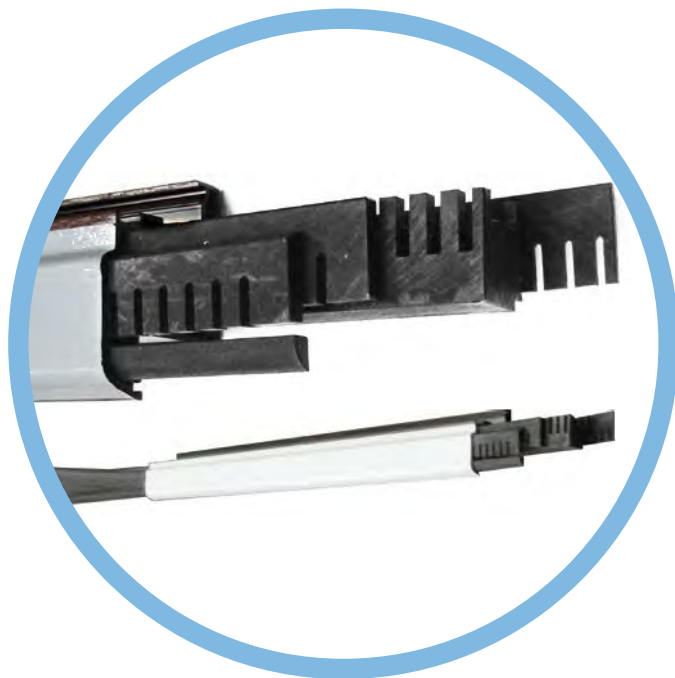
🇪🇸 Plantillas



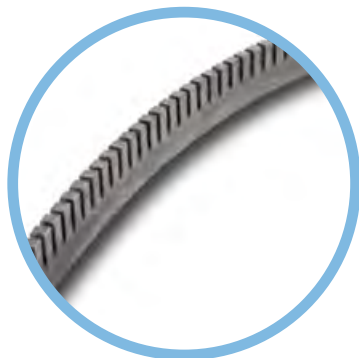
Articolo Article/Articulo	Descrizione Description/Descripcion
0.07/01	Maschere di foratura Templates Plantillas

0.08

-  **Controsagome per curvatura a caldo dei profili**
-  **Counterprofiles for profiles hot bending**
-  **Contraformas para la curva con calor de los perfiles**



Articolo <i>Article/Articulo</i>	Descrizione <i>Description/Descripción</i>
0.08/01	Controsagoma lato esterno profilo lunghezza 3000 <i>Welding block external side profile length 3000</i> <i>contraformas de perfil lateral externo longitud 3000</i>
0.08/02	Controsagoma lato interno profilo <i>Counterprofile inner side of profile</i> <i>Contraforma cara interna perfil</i>
0.08/03	Listelli interni cave (cadauno) <i>Internal strips cave (each)</i> <i>Tiras de cueva interior (cada)</i>





UN

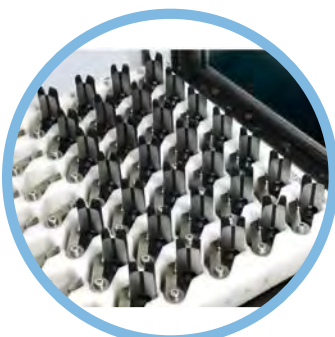
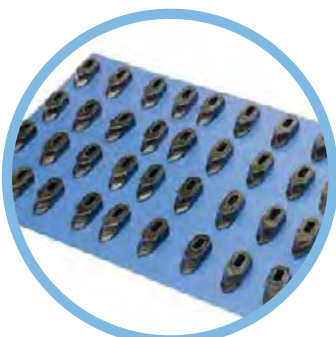
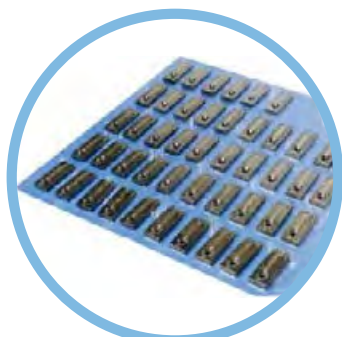
Unghiatori per macchine pulitrici

Knives for cleaning machines
Cuchillos rascadores para limpiadoras



0.10

- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



LEGENDA

codice macchina
machine code
código de máquina

forma unghiata (tipo)
shape of cut (type)
forma del corte (tipo)

0.10

/

02

/

1

A

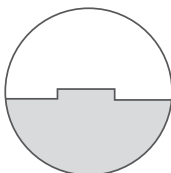
01

articolo
article
artículo

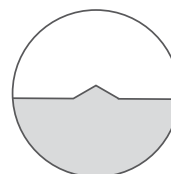
modello unghiatore
knife model
modelo cuchillo

numerazione
numbering
numeración

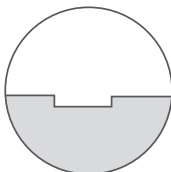
tipo a (bianco)
type a (white)
tipo a (blanco)



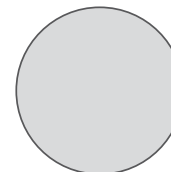
tipo d (a v)
type d (v-cut)
tipo d (en v)



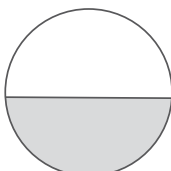
tipo b (rivestito)
type b (coated)
tipo b (revestido)



tipo e (varie)
type e (various)
tipo e (vario)

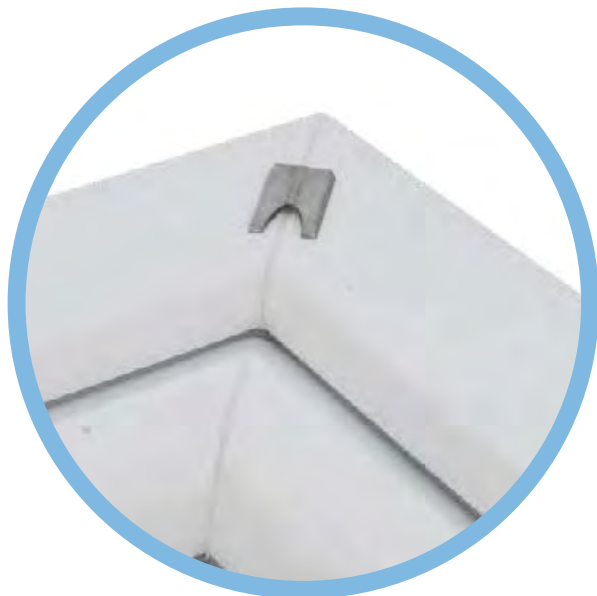


tipo c (raso)
type c (flat)
tipo c (plano)



NEW

- 🇮🇹 Unghiatore a "V" per bianco rivestito (2x0,4) [type D]
- 🇬🇧 "V" Knives for white and covered pvc (2x0,4) [type D]
- 🇪🇸 "V" Cuchilla para blanco y cubierto (2x0,4) [type D]



NOVITÀ NEWS

Coltello per pulizia cordolo superiore ed inferiore degli angoli delle finestre in pvc

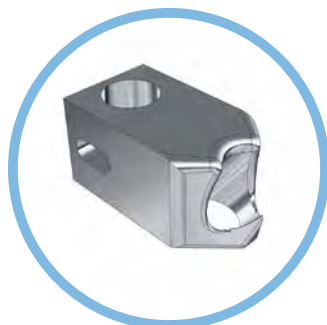
Knife for the cleaning of the upper and lower bead of angles in PVC windows

Cuchilla para la limpieza superior e inferior de esquinas de ventanas de PVC

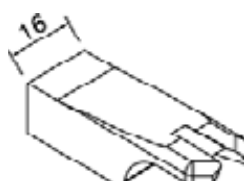
- **Tutti gli unghiatori hanno un rivestimento speciale che garantisce delle prestazioni in termini di durata e finitura elevate**
- All the knives have a special coating that guarantees high performances in terms of durability and finishing
- *Todos los cuchillos tienen un revestimiento que garantiza altas prestaciones en términos de durabilidad y acabado*

0.10

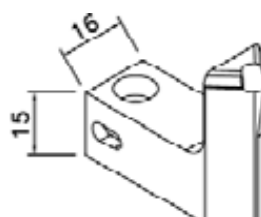
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



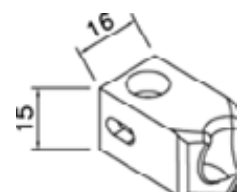
EMMEGI



0.10/01/1B01	Rivestito 4x0,2	A8-V070	I5003331	
0.10/01/1B02	Rivestito 4x0,2	A8-V084	I5004138	
0.10/01/1C01	Raso 4x0	A8-V015		
0.10/01/1C02	Raso 4x0	A8-V080	I5004136	
0.10/01/1C03	Raso 4x0	VB2.217	I5017023	
0.10/01/1C04	Raso 4x0	A8-V014		
0.10/01/1C05	Raso 4x0	A8-V051	I5003236	
0.10/01/1C06	Raso 4x0	EV9.012		
0.10/01/1D01	V 2x0,4	VB6.229		



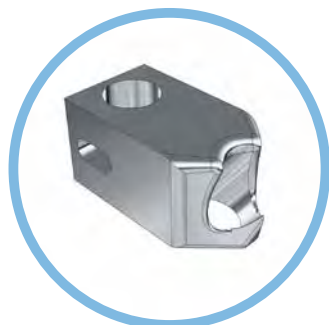
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0.10/01/2E03	16x34,5x45	VB5.202	I5023514	
0.10/01/2E04	16x42x36	VB5.201	I5023512	
0.10/01/2E05	16x42x36	VB2.215	I5017032	
0.10/01/2E06	16x32x40	R9-V018	I5006194	
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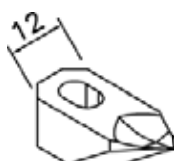
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- 🇮🇹 Unghiatori per macchine pulitrici
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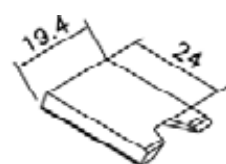
EMMEGI



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0.10/01/4E04	12x10x30	A9-V005	I5004342	
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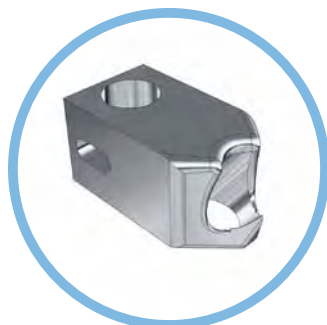
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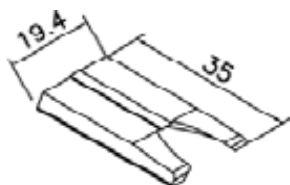
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0.10

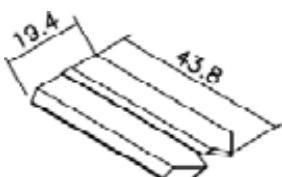
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EMMEGI



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0.10/01/7A02	bianco 2x0,3	VB4.117	I5013018	
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0.10/01/7A05	bianco 2,5x0,3	A9.V036	I5001797	
0.10/01/7A06	bianco 1,2x0,3	VB3.037	I5016644	
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0.10/01/7B01	rivestito 3x0,1	UNG.002		
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0.10/01/7B03	rivestito 3x0,1	VB4.073	I5020955	
0.10/01/7C01	raso 3x0	VB7.046	I5025981	
0.10/01/7D01	V 2x0,4	VB7.172		
0.10/01/7D02	V 2x0,4	VB4.042		
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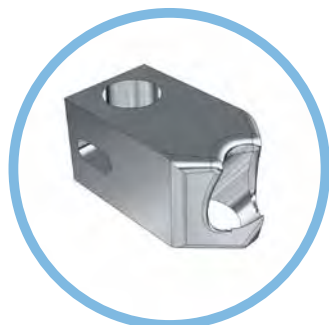
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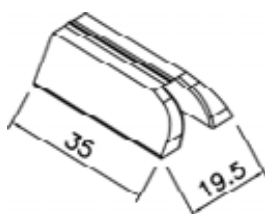
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0.10

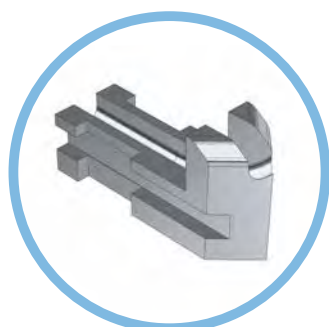
- 🇮🇹 Unghiatori per macchine pulitrici
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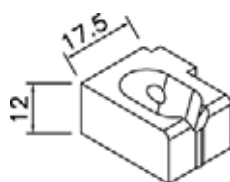
EMMEGI



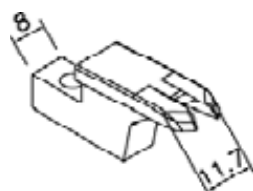
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STURTZ - ELUMATEC



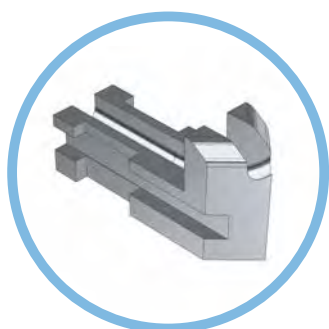
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0.10/02/1D01	V 2x0,4	VB5.069	261734	
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0.10/02/1D03	V 2,7x0,5	VB5.159		



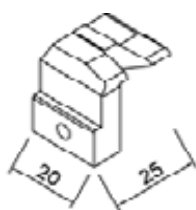
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0.10/02/2C01	raso 3x0	VB8.122	146253 mm.46	
0.10/02/2C02	raso 3x0	VB8.123	146253 mm.41	

0.10

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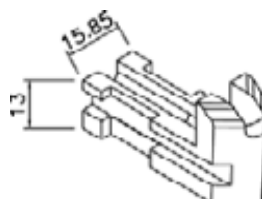
STURTZ - ELUMATEC



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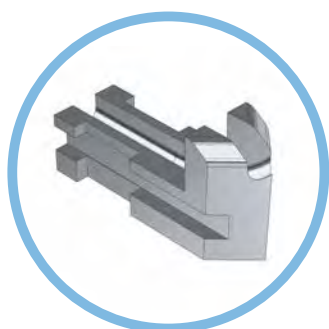
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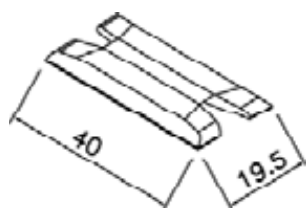
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0.10

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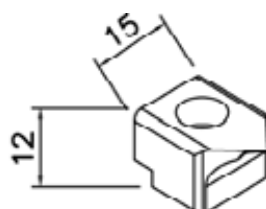
STURTZ - ELUMATEC



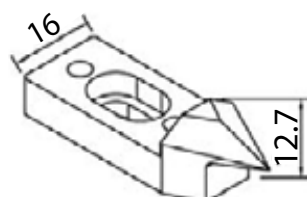
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0.10/02/6A02	bianco 2,8x0,5	VB9.006	834382101	
0.10/02/6B01	rivestito 3x0,1	VB3.061		
0.10/02/6C01	raso 3x0	EV8.016		
0.10/02/6C02	raso 4x0	VB9.005	834382102	
0.10/02/6D01	V 2x0,4	VB4.017		
0.10/02/6D02	V 1,9x0,4	VB9.004	850382319	
0.10/02/6D03	V 1,8x0,7	VB9.009	900007212	
0.10/02/6D04	V 2,7x0,5	VB5.103		
0.10/02/6D05	V 2,5x0,4	VB5.082		
0.10/02/6D06	2x0,04 raggiato	VB5.157		



0.10/02/7E01		VB3.014		
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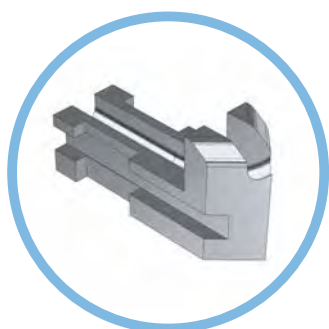
0.10/02/8E01	22x15X12	VB8.119	174605	
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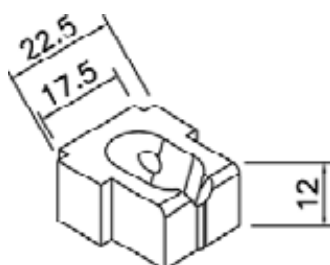
0.10/02/9E01	47,2x16x12,7	VB6.004		
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0.10

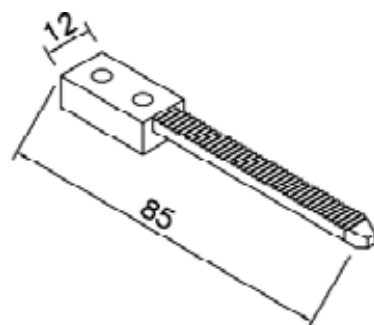
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



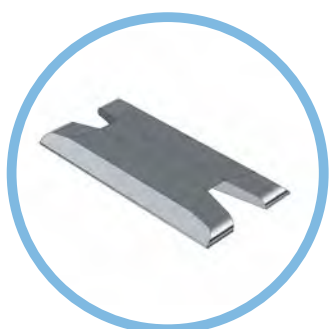
STURTZ - ELUMATEC



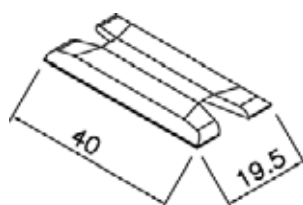
0.10/02/10A01	bianco 2,8x0,5	VB9.090		
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0.10/02/11E01	12x8x85	VB8.106		
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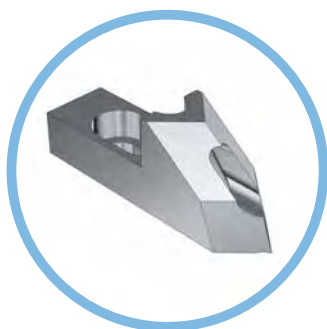
GEMMA GROUP



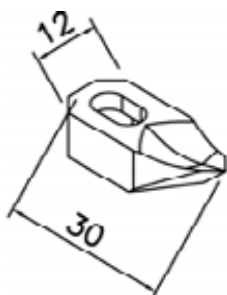
0.10/03/1AC01	bianco 2,5x0,3+raso	VB1.249	0398331500F	
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0.10

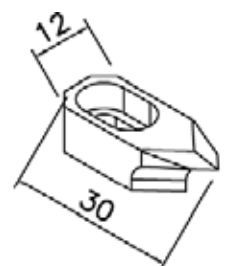
- Unghiatori per macchine pulitrici
- Knife for cleaning machines
- Cuchillos rascadores para limpiadoras



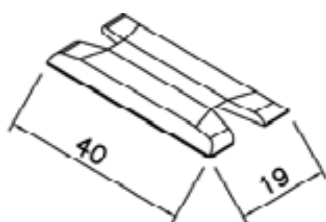
GRAF SYNERGY



0.10/04/1E01	pulizia interna	EV10.032	8B0.104136	
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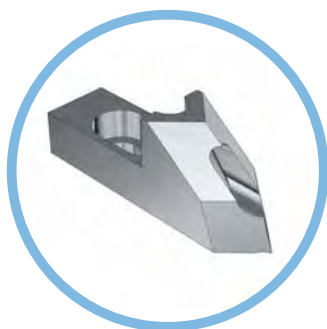
0.10/04/2E01	pulizia interna	EV10.031	8B0.104149	
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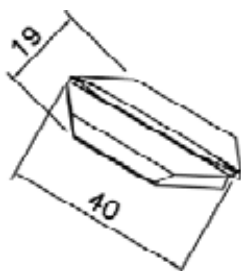
0.10/04/3A01	bianco 1x0,4	VB6.059	8B0.104092	
0.10/04/3A02	bianco 2,7x0,5	VB8.196		
0.10/04/3A03	bianco 3x0,5	VB3.063	8B0.104150	
0.10/04/3A04	bianco 2,7x0,4	EV10.047	8B0.104005	
0.10/04/3A05	bianco 2,7x0,35	EV10.034	8B0.104162	
0.10/04/3B01	rivestito 3x0,3	EV10.049	8B0.104032	
0.10/04/3B02	rivestito 3x0,1	VB1.278	8B0.104161	
0.10/04/3AB01	bianco + rivestito	EV10.056	8B0.104074	
0.10/04/3AC01	raso 2,7x0	EV9.011	8B0.104170	
0.10/04/3CD01	V + raso	VB5.072		
0.10/04/3D02	V 1,5x0,4	VB5.061		
0.10/04/3D03	V 2x0,4	VB5.040		
0.10/04/3D04	V1,5x0,2	VB3.117	8B0.104200	

0.10

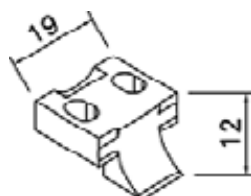
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



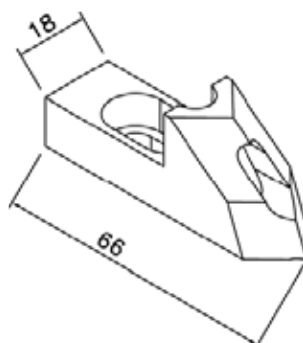
GRAF SYNERGY



0.10/04/4A01	bianco 2,7x0,4	EV10.061	8B0.104146	
0.10/04/4B01	rivestito 3x0,1	EV10.060	8B0.104147	
0.10/04/4D01	V 1,5x0,2	VB9.058	8B0.104210	
0.10/04/4D02	V 1,9x0,4	VB9.080	8B0.104213	



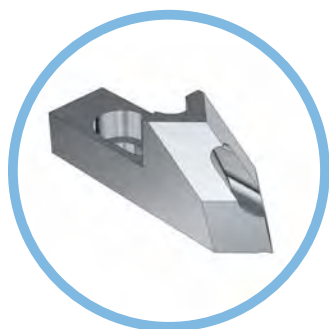
0.10/04/6E01	24,4x19x12	VB6.033	8B0.104208	
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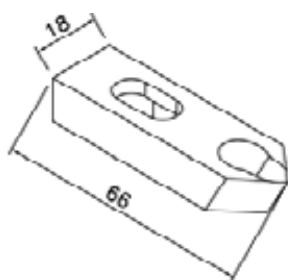
0.10/04/7E01	66x18x25	VB1.212	8B0.104008	
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0.10

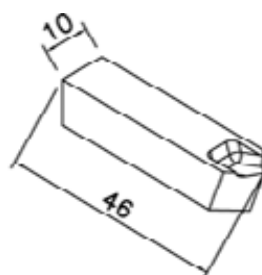
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



GRAF SYNERGY



0.10/04/8E01	66x18x12	VB1.077	8B0.104007	
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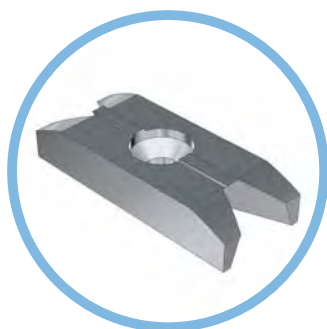
0.10/04/9E01	45x10x10	EV10.055	8B0.104006	
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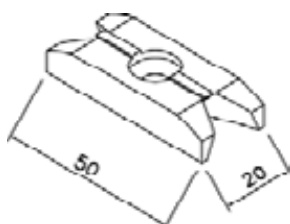
0.10/04/10E01	22x20x13	EV10.117	8B0.104132	
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0.10

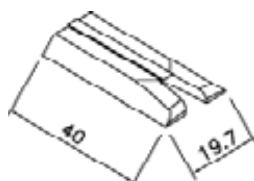
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



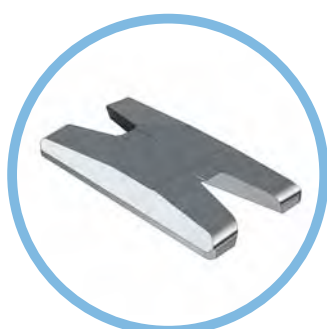
INFISMAC



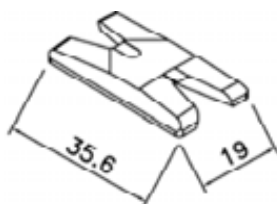
0.10/05/1A01	bianco 2,8x0,5	VB3.118		
0.10/05/1B01	rivestito 3x0,1	VB3.085		
0.10/05/1D01	V 2x0,4	VB5.168		



0.10/05/2A01	bianco 3x0,5	VB4.091		
0.10/05/2C01	raso 3x0	VB4.092		



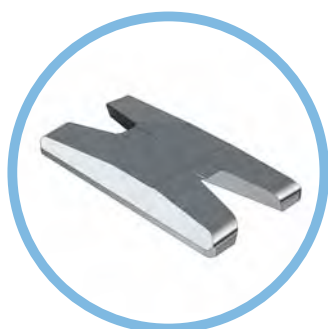
ITALPLASTICK



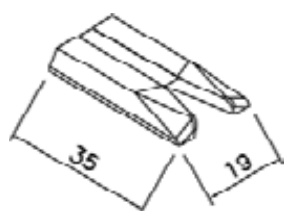
0.10/06/1B01	rivestito 3x0,1	VB7.223		
0.10/06/1D01	V 2x0,4	VB5.067		
0.10/06/1D02	V 1,5x0,3	VB7.104		
0.10/06/1BD01	rivestito 3x0,1_V 2x0,4	VB7.051		
0.10/06/1CD01	raso 3x0_V 2x0,4	VB6.092	170112CR030	
0.10/06/1AB01	bianco 3x0,5_rivestito 3x0,1	EV10.050		
0.10/06/1CB01	raso 3x0_rivestito 3x0,1	VB7.048		

0.10

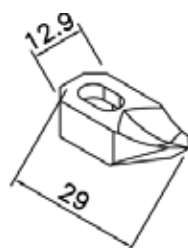
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



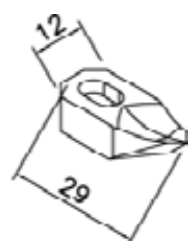
ITALPLASTICK



0.10/06/2B01	rivestito 4x0,1	VB2.055		
0.10/06/2D01	V 2x0,4	VB5.213		



0.10/06/3E01	pulizia interna	EV9.094		
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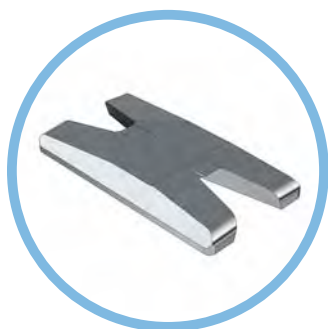
0.10/06/4E01	pulizia interna	VB4.170		
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0.10/06/5E01	pulizia interna	EV9.095		
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0.10

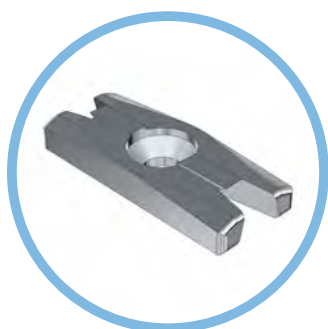
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



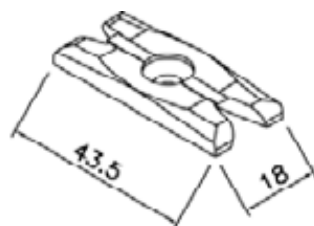
ITALPLASTICK



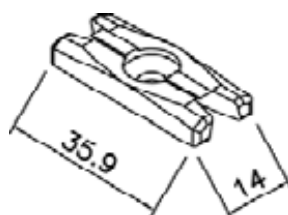
0.10/06/6E01	pulizia interna	VB4.169		
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KABAN



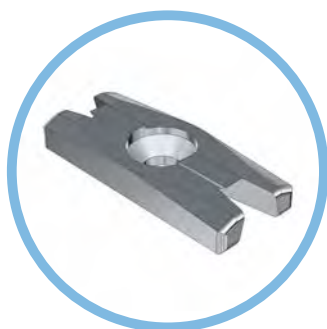
0.10/07/1A01	bianco 3x0,5	VB7.100		
0.10/07/1D01	V 2x0,4	VB6.091		
0.10/07/1AD01	bianco 3x0,1_V 2x0,4	VB7.061		
0.10/07/1AB01	bianco 3x0,5_rivestito 3x0,1	VB4.166		



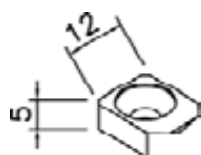
0.10/07/2A01	bianco 3x0,5	VB8.037		
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0.10/07/2D01	V 2x0,4	VB8.016		

0.10

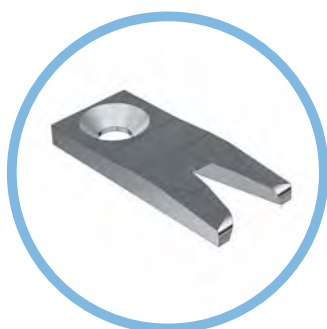
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



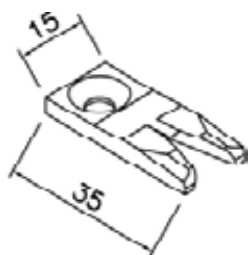
KABAN



0.10/07/3E01	pulizia interna	VB7.107		
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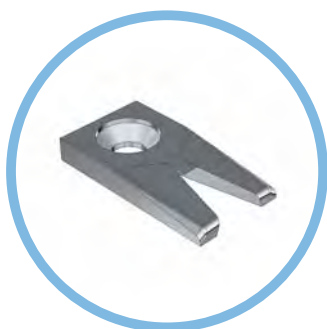
KMW



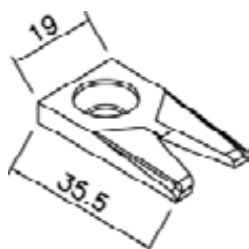
0.10/08/1A01	bianco 2,5x0,5	VB1.176		
0.10/08/1B01	rivestito 2,5x0,1	VB1.175	100314	
0.10/08/1D01	V 2x0,4	VB5.115		

0.10

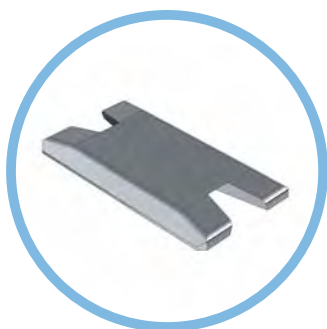
-  Unghiatori per macchine pulitrici
-  Knife for cleaning machines
-  Cuchillos rascadores para limpiadoras



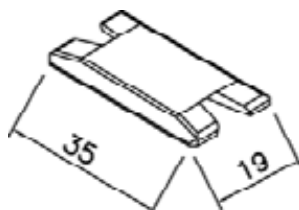
LISI



0.10/09/1A01	bianco 3x0,5	VB7.123		
0.10/09/1C01	raso 3x0	VB7.108		



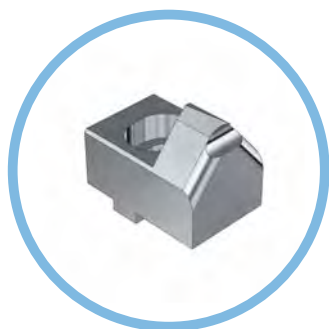
MURAT



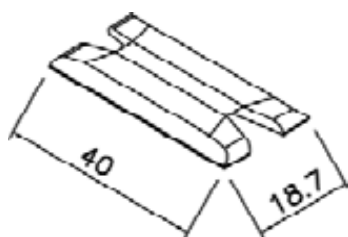
0.10/10/1A01	bianco 3x0,5	VB7.091		
0.10/10/1C01	raso 4x0	VB7.090		
0.10/10/1D01	V 2x0,4	VB7.092		

0.10

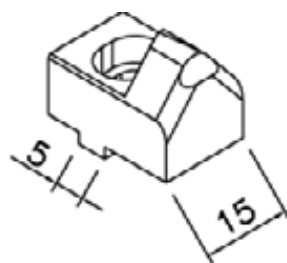
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



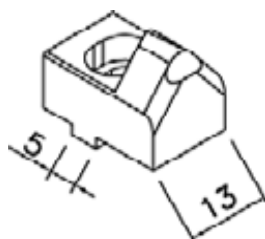
MECAL



0.10/11/1A01	bianco 3x0,5	VB2.179	90319007	
0.10/11/1B01	rivestito 3x0,1	A7-V025		
0.10/11/1C01	raso 3x0	VB2.180	903190003	
0.10/11/1D01	V 2x0,4	VB3.032		
0.10/11/1D02	V 1,5x0,8	VB8.116		



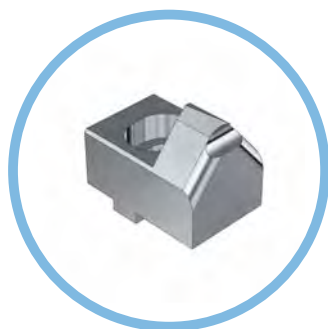
0.10/11/2E01	pulizia interna	A9-V002	MZ4-M0483	
0.10/11/2E02	pulizia interna	A9-V003	MZ4-M0482	
0.10/11/2E03	pulizia interna	A8-V095	MZ4-M0481	



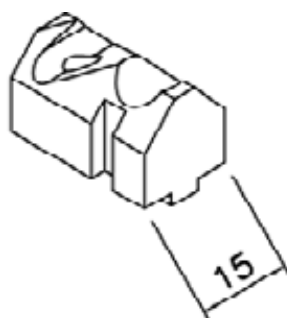
0.10/11/3E01	pulizia interna	A8-V038	MZ4-M0425	
0.10/11/3E02	pulizia interna	A8-V069	MZ4-M0480	
0.10/11/3E03	pulizia interna	A8-V039	MZ4-M0433	

0.10

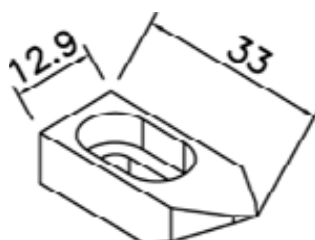
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



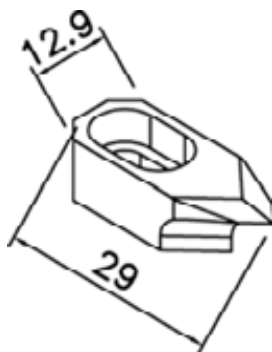
MECAL



0.10/11/4E01	pulizia interna	A8-V001	MZ4-M0286	
0.10/11/4E02	pulizia interna	A8-V002	MZ4-M0285	



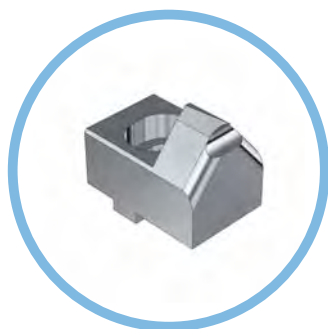
0.10/11/5E01	pulizia interna	A8-V036		
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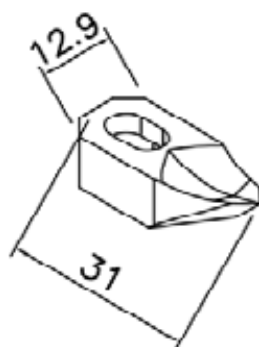
0.10/11/6E01	pulizia interna	VB2.091	MZ4-M0487	
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0.10

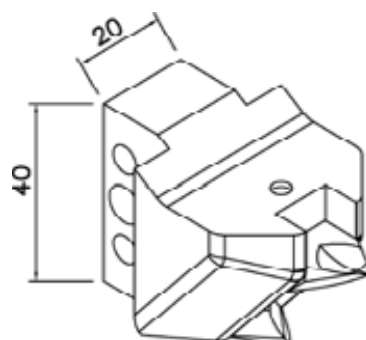
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



MECAL



0.10/11/7E01	pulizia interna	VB2.053	MZ4-M0486	
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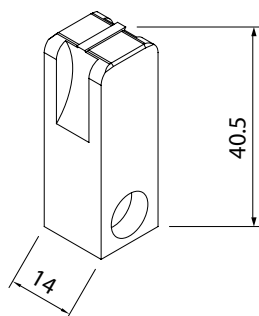
0.10/11/8E01	porta unghiatori	R9-V001	M0086	
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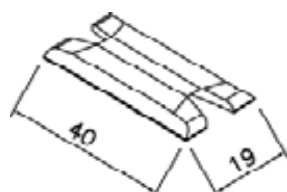
-  Unghiatori per macchine pulitrici
-  Knife for cleaning machines
-  Cuchillos rascadores para limpiadoras



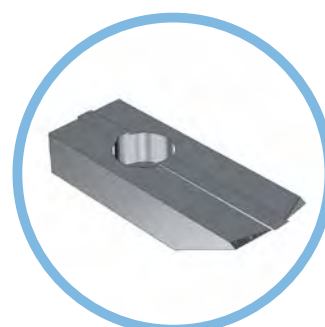
MEPAL



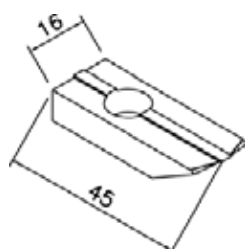
0.10/12/1D01	V 2x0,4	VB7.030		
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0.10/12/2AC01	bianco 2,7x0,4 + raso	VB1.266		
0.10/12/2CD01	V 2x0,4 + raso	VB8.031		
0.10/12/2D01	V 2x0,4	VB5.110		



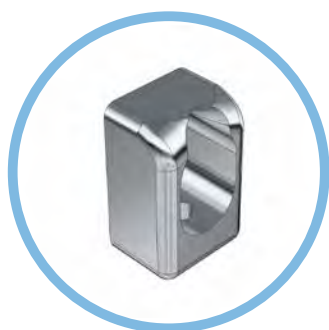
MLA



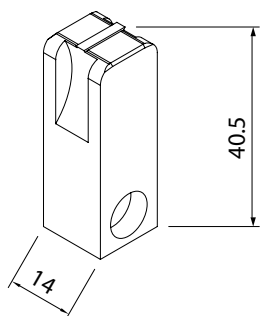
0.10/13/1A01	bianco 3x0,5	A8-V008	201319	
0.10/13/1B01	rivestito 3x0,1	VB4.040		

0.10

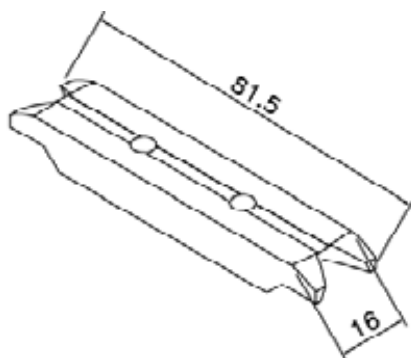
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



OZGENC



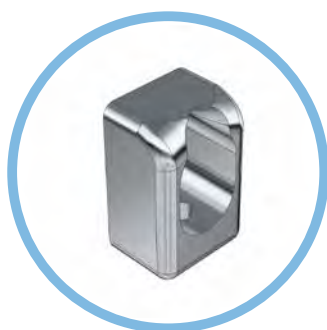
0.10/14/1A01	bianco 3x0,4	VB5.120	100.19	
0.10/14/1A02	V 2x0,4	VB8.183		



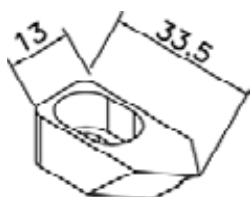
0.10/14/2A01	bianco 3x0,4	VB5.119	100.18	
0.10/14/2B01	rivestito 3x0,1	VB7.152		
0.10/14/2D01	V 2x0,4	VB7.200		

0.10

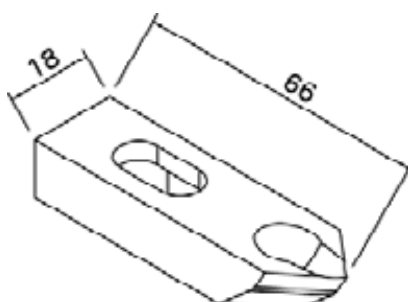
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



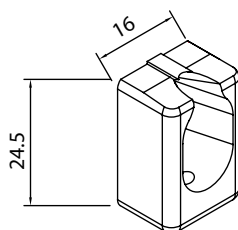
OZGENC



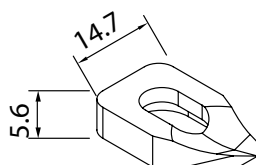
0.10/14/3E01	pulizia interna	VB5.122	100.21	
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0.10/14/4E01	pulizia interna	VB6.078		
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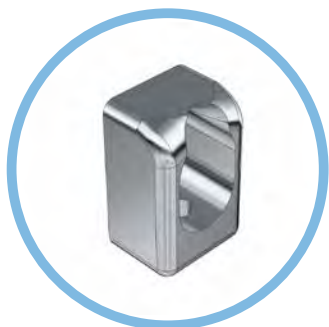
0.10/14/5A01	bianco 3x0,5	VB6.105		
0.10/14/5C01	raso 4x0	VB6.106		
0.10/14/5D01	V 2X0,4	VB9.060		
0.10/14/5D02	V 1X0,5	VB9.087		



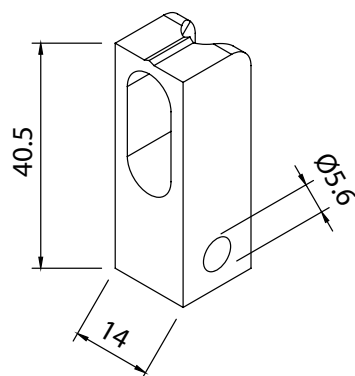
0.10/14/6E01	pulizia interna	VB9.129		
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0.10

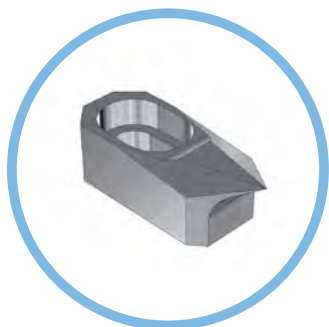
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



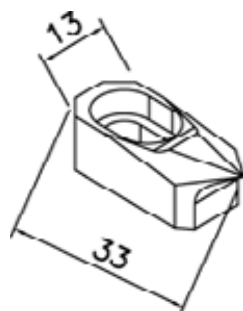
OZGENC



0.10/14/7C01	raso 4x0	VB5.121		
0.10/14/7D01	V 2x0,4	VB8.189		



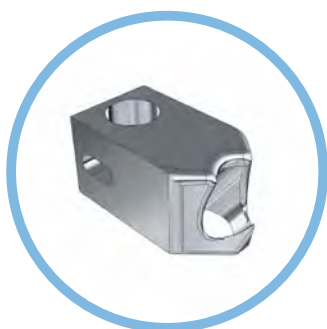
OSMAN LIMAN



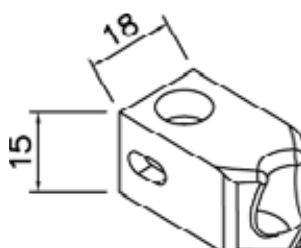
0.10/15/1E01	13x10x33	VB7.159	221 03 043	
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0.10

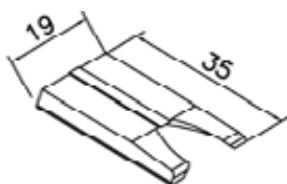
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



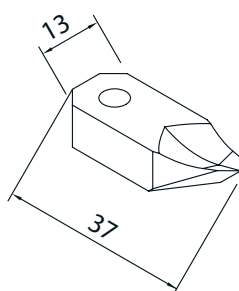
PERTICI



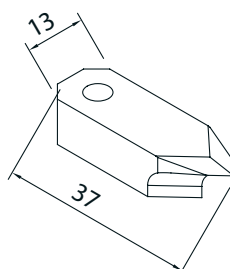
0.10/16/1E01	18x15x32	A9-V055		
0.10/16/1E02	18x15x35	EV10.023		



0.10/16/2A01	bianco 2,5x0,5	VB5.094		
0.10/16/2C01	raso 4x0	VB5.095		
0.10/16/2D01	V 2x0,4	VB6.212		



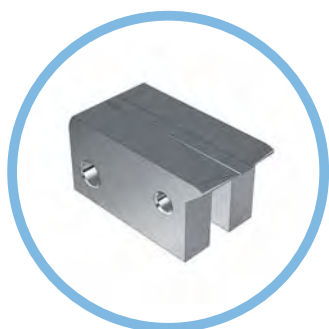
0.10/16/3E01	pulizia interna	EV10.024		
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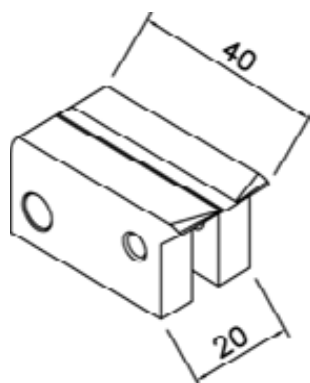
0.10/16/4E01	pulizia interna	EV10.025		
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0.10

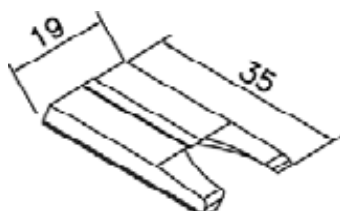
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



UNIVAL SOMECO



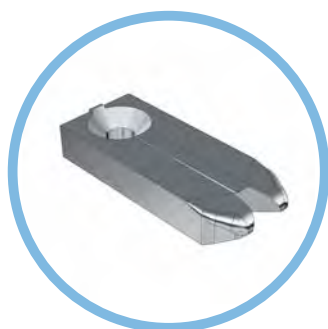
0.10/17/1A01	bianco 3x0,5	VB5.147		
0.10/17/1B01	rivestito 3x0,1	VB5.148		
0.10/17/1D01	V 2x0,4	VB7.018		



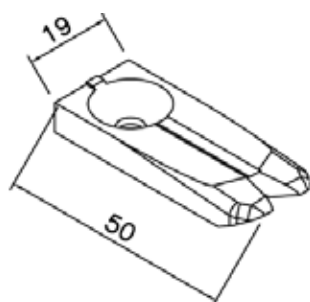
0.10/17/2C01	raso 3x0	VB6.216		
0.10/17/2D01	V 2x0,4	VB5.138		

0.10

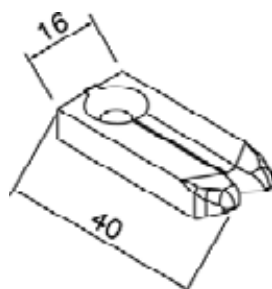
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



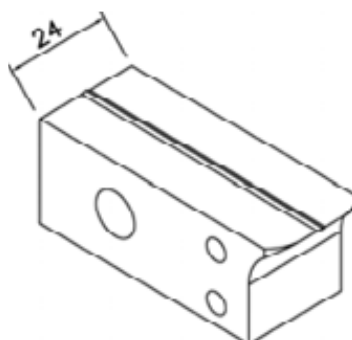
PROFTEQ



0.10/18/1A01	bianco 2,8x0,5	VB1.179	0AC00199	
0.10/18/1A02	bianco 3x0,6	VB2.169		
0.10/18/1B01	rivestito 3x0,1	VB1.121	0AC00144	
0.10/18/1C01	raso 3x0	VB3.141		
0.10/18/1C02	raso	VB5.068	CJ0001570000	
0.10/18/1D01	V 2x0,4	VB3.009	0AC00914	
0.10/18/1D03	V 1x0,5	VB9.020	CJ0001740000	



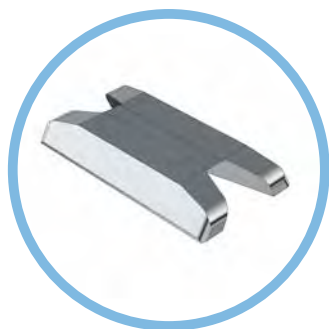
0.10/18/2A01	bianco 2,8x0,5	VB1.178	CJ000038	
0.10/18/2C01	raso	VB5.018	CJ0001560000	
0.10/18/2D01	V 1,5x0,4	VB7.039		
0.10/18/2D02	V 2x0,4	VB3.008	0AC00915	
0.10/18/2D04	V 1x0,5	VB9.021	CJ0001730000	



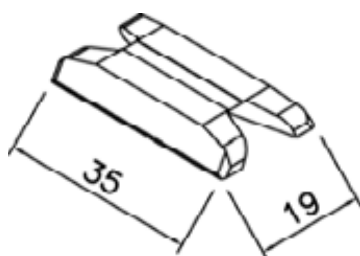
0.10/18/3D01	V 2x0,4	VB8.079		
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0.10

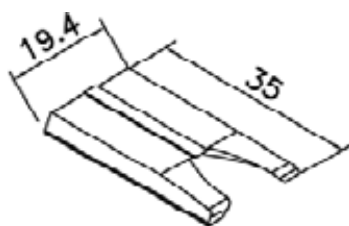
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



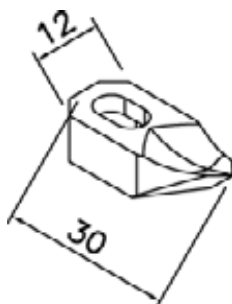
RINALDI



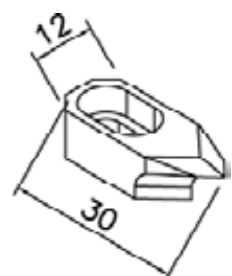
0.10/19/1A01	bianco 3x0,5	A8-V092		
0.10/19/1B01	rivestito 3x0,1	R10-V010	201732	
0.10/19/1C01	raso 3x0	VB6.031		
0.10/19/1D01	V 2x0,4	VB5.047		
0.10/19/1CD01	raso 3x0_V 2x0,4	VB7.114		



0.10/19/2A01	bianco 2,5x0,3	EV10.111	302039	
0.10/19/2B01	rivestito 3x0,1	EV10.114	302207	



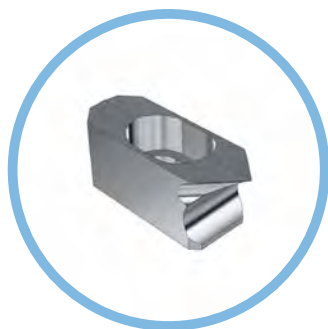
0.10/19/3E01	pulizia interna	VB1.017	302055	
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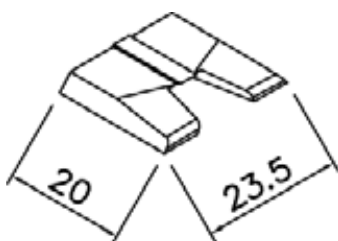
0.10/19/4E01	pulizia interna	EV10.113		
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0.10

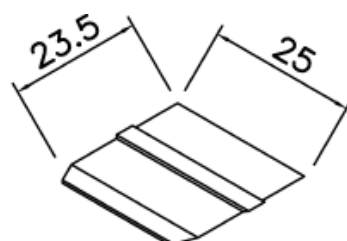
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



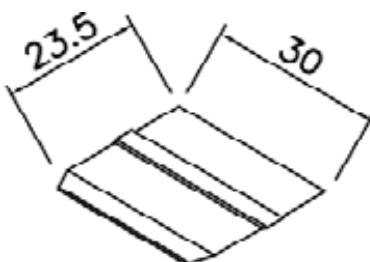
ROTOX



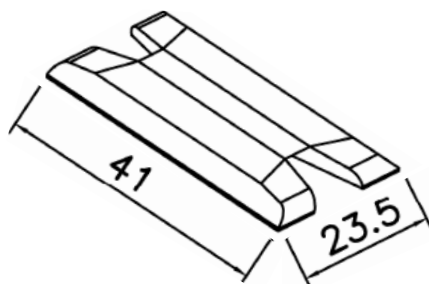
0.10/20/1A01	bianco 3x0,4	VB6.167	37430030	
0.10/20/1B01	rivestito 3x0,1	VB6.168		



0.10/20/2A01	bianco 3x0,6	VB7.121	3743017039	
0.10/20/2A02	bianco 3,5x0,6	VB8.133	3743011036	



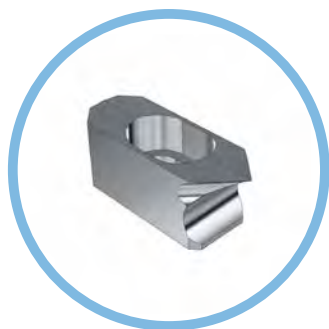
0.10/20/3A01	bianco 3x0,4	VB8.176	2743030005	
0.10/20/3B01	rivestito 4x0,2	VB8.175	2743000001	



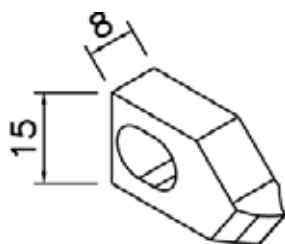
0.10/20/4A01	bianco 3x0,5	VB8.140	900 000221-2743012030	
0.10/20/4B01	rivestito 6x0,2	VB8.179	2743000004	
0.10/20/4D01	V 1,8x0,7	VB9.008	900 007221	
0.10/20/4CD01	raso 3x0_V2x0,4	VB8.201	27431230	

0.10

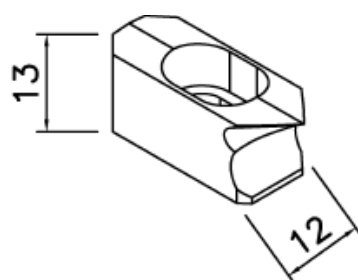
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



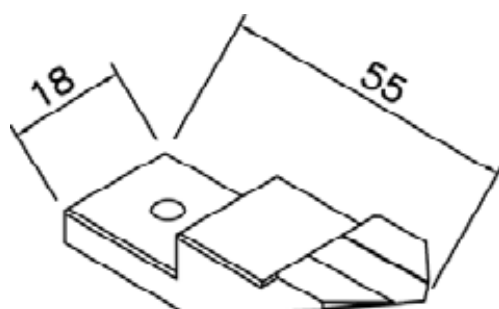
ROTOX



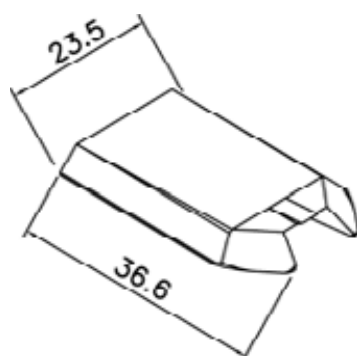
0.10/20/5E01	pulizia interna	VB5.160	47430286	
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0.10/20/6E01	pulizia interna	VB7.125	47430111	
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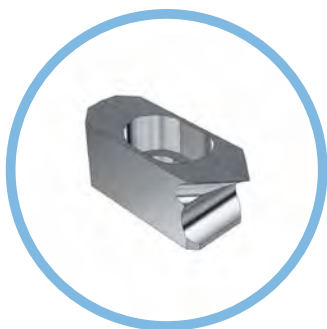
0.10/20/7B01	rivestito 6x0,1	VB9.078	27170717	
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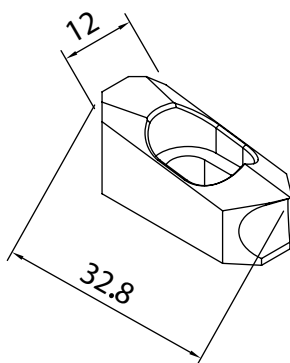
0.10/20/8A01	bianco 3x0,5	VB8.135	47431248	
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0.10

-  Unghiatori per macchine pulitrici
-  Knife for cleaning machines
-  Cuchillos rascadores para limpiadoras



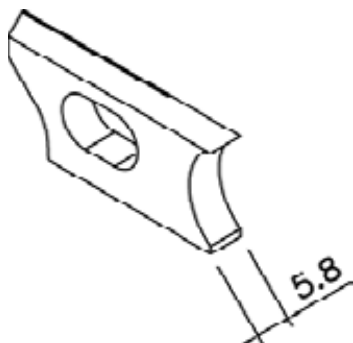
ROTOX



0.10/20/9E01	pulizia interna	VB9.114	47430131	
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SOENEN



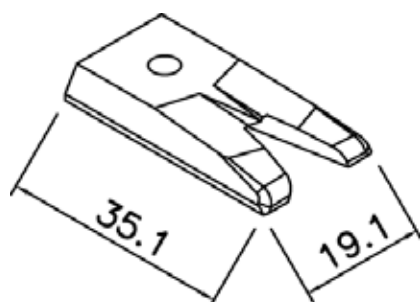
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0.10/21/1D01	V 2x0,4	VB3.097		

0.10

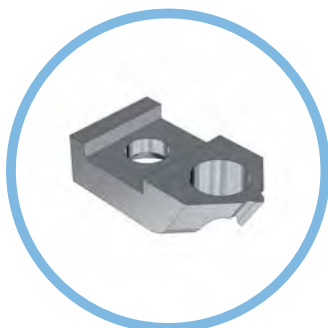
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



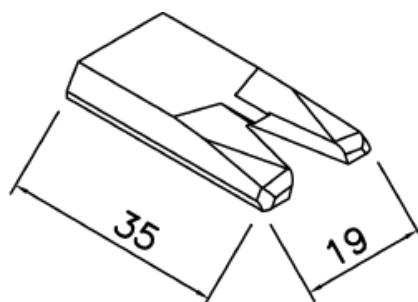
TRIKY



0.10/22/1D01	V2,5x0,6	VB8.192		
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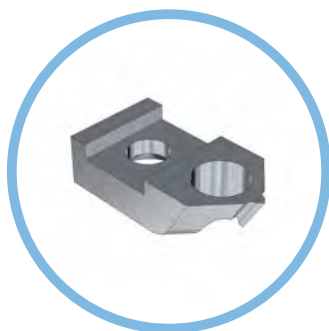
URBAN



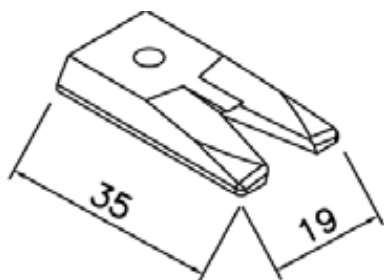
0.10/23/1A01	bianco 2,5x0,5	EV10.003	552693-900000042	
0.10/23/1A03	bianco 2,5x0,4	VB8.170	900000050	
0.10/23/1A04	bianco 3x0,7	VB8.171	900000038	
0.10/23/1A05	bianco 3x0,5	VB8.172	900000039	
0.10/23/1B01	rivestito 3x0,1	EV10.132	552748	
0.10/23/1B02	rivestito 4x0,55	R9-V005		
0.10/23/1C01	raso 4x0	VB8.173	900000040	
0.10/23/1D01	V 1,8x0,7	VB8.174	900007042	
0.10/23/1D02	V 2x0,4	VB5.042		
0.10/23/1D03	V 2x0,5	VB2.036		

0.10

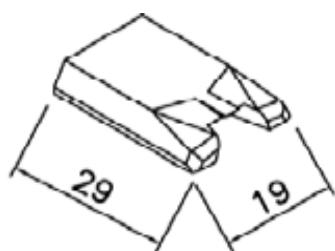
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



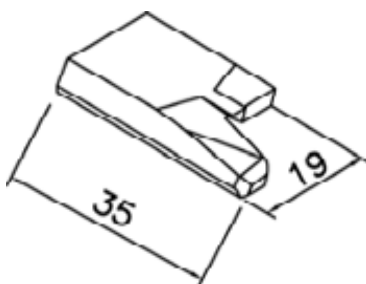
URBAN



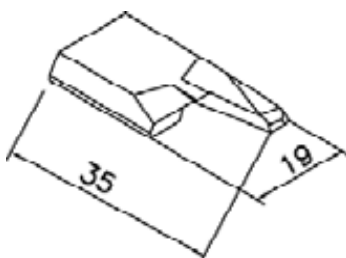
0.10/23/2A01	bianco 3x1	VB2.003		
0.10/23/2A02	bianco 3x0,6	VB2.199		
0.10/23/2D01	V 2x0,5	VB3.071		



0.10/23/3B01	rivestito 3x0,8	EV10.133		
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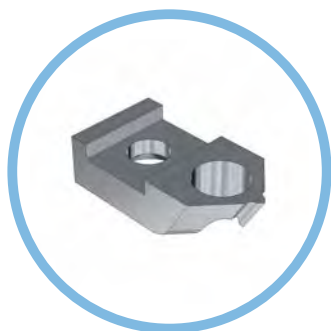
0.10/23/4A01	bianco 3x0,6	VB7.119	562066	
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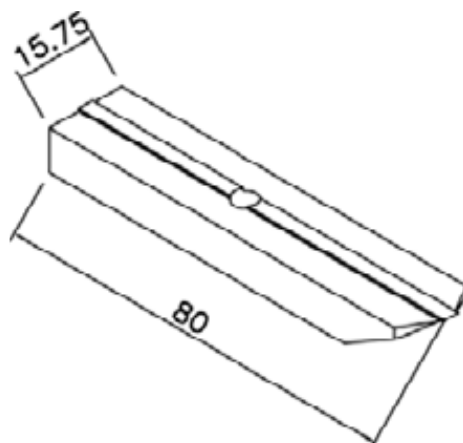
0.10/23/5A01	bianco 3x0,6	VB7.120	562065	
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0.10

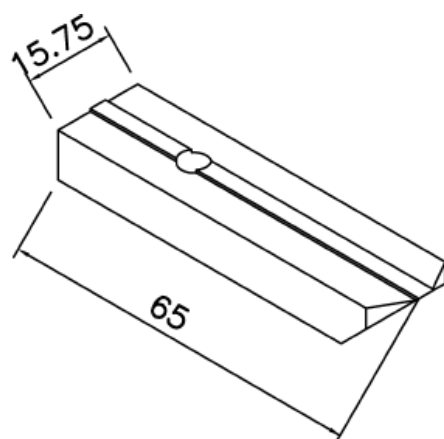
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



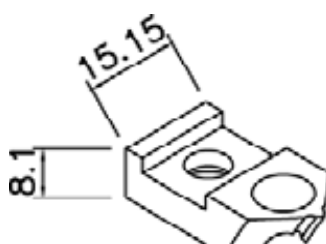
URBAN



0.10/23/6A01	bianco 3x0,5	VB8.142		
0.10/23/6C01	raso 3x0	VB8.141		
0.10/23/6D01	V 2x0,4	VB5.016		



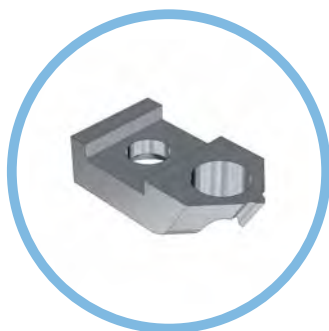
0.10/23/7A01	bianco 3x0,5	VB2.079		
0.10/23/7B01	rivestito 3x0,1	VB2.080		



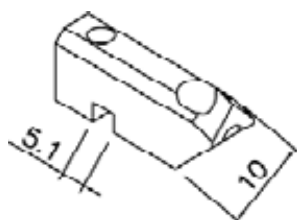
0.10/23/8E01	pulizia interna	EV10.134		
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0.10

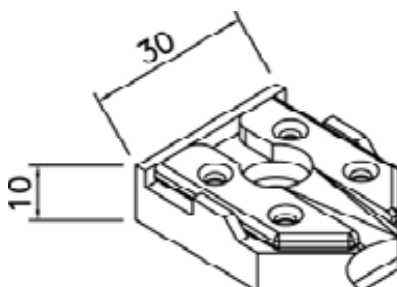
- 🇮🇹 Unghiatori per macchine pulitrici
- 🇬🇧 Knife for cleaning machines
- 🇪🇸 Cuchillos rascadores para limpiadoras



URBAN



0.10/23/9E01	pulizia interna	R10-V026		
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0.10/23/10D01	V 2x0,6	R10-V027		
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PUL



Accessori per la pulizia manuale del cordolo di saldatura

Accessories for welding bead manual cleaning
Accesorios para la limpieza manual del cordón
de soldadura



0.13

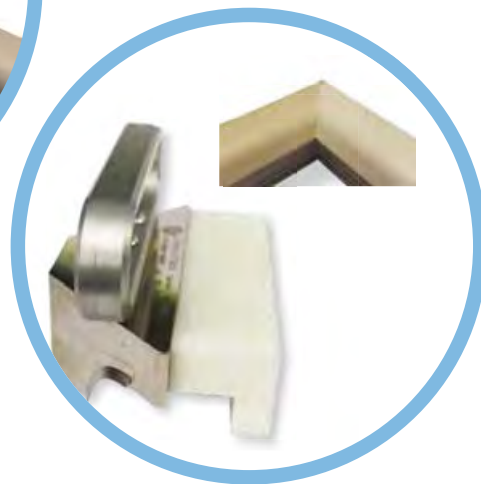
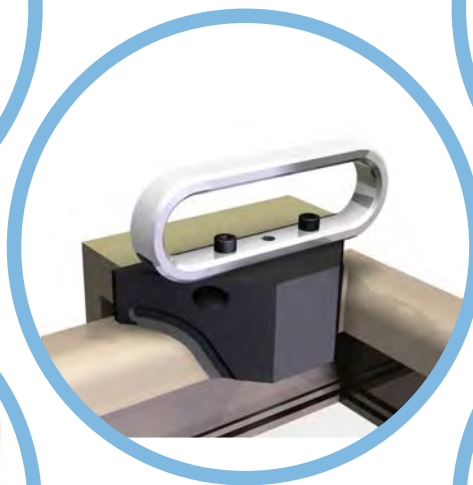
- 🇮🇹 Attrezzo manuale per la pulizia del cordolo di saldatura superiore ed inferiore su serramenti bianchi o con piano liscio rivestito con pellicola
- 🇬🇧 *Manual tool for cleaning the upper and lower weld bead on white doors or with a film-coated smooth surface*
- 🇪🇸 *Herramienta manual para limpiar el cordón de soldadura superior e inferior en puertas blancas o con una superficie lisa recubierta con película*



Articolo Article/Artículo	Descrizione Description/Descripción
0.13/01	Attrezzo TRICKY TRICKY tool Herramienta TRICKY

0.14

-  **Coltello a disegno per pulitura manuale angolo interno**
-  **Tailored knife for manual cleaning of the internal part of the corner**
-  **Cuchillo a diseño para limpieza manual angulo interior**



Articolo
Article/Articulo

Descrizione
Description/Descripción

0.14/01

Coltello/Knife/Cuchillo 120X60X53

0.14/02

Guida ricambio/Guide/Guia

0.14/03

Affilatura/Sharpening/Afiladora

Si eseguono su tutti i tipi di profili - ante e telai

Performed on all types of profiles, doors and frames

Se producen para todos los tipos de perfiles - hojas y marcos

0.15

- 🇮🇹 Coltello "Don Carlos" per la pulitura manuale dei cordoli
- 🇬🇧 Knife "Don Carlos" for cleaning beads manually
- 🇪🇸 Cuchilla "Don Carlos" para la limpieza manual de los cordones



Articolo
Article/Articulo

Descrizione
Description/Descripción

0.15/01

Coltello Don Carlos
Don Carlos knife
Cuchilla Don Carlos

0.16

 Guida per Don Carlos

 Guide for Don Carlos

 Guía para Don Carlos



Articolo
Article/Artículo

Descrizione
Description/Descripción

0.16/01 *

Guida per Don Carlos
Guide for Don Carlos
Guía para Don Carlos

*** Disponibile a magazzino**
In stock / Disponible en stock



GRU

Gruppi frese in Hm

per pulitura esterna angoli-per intestatura piantoni e traversi

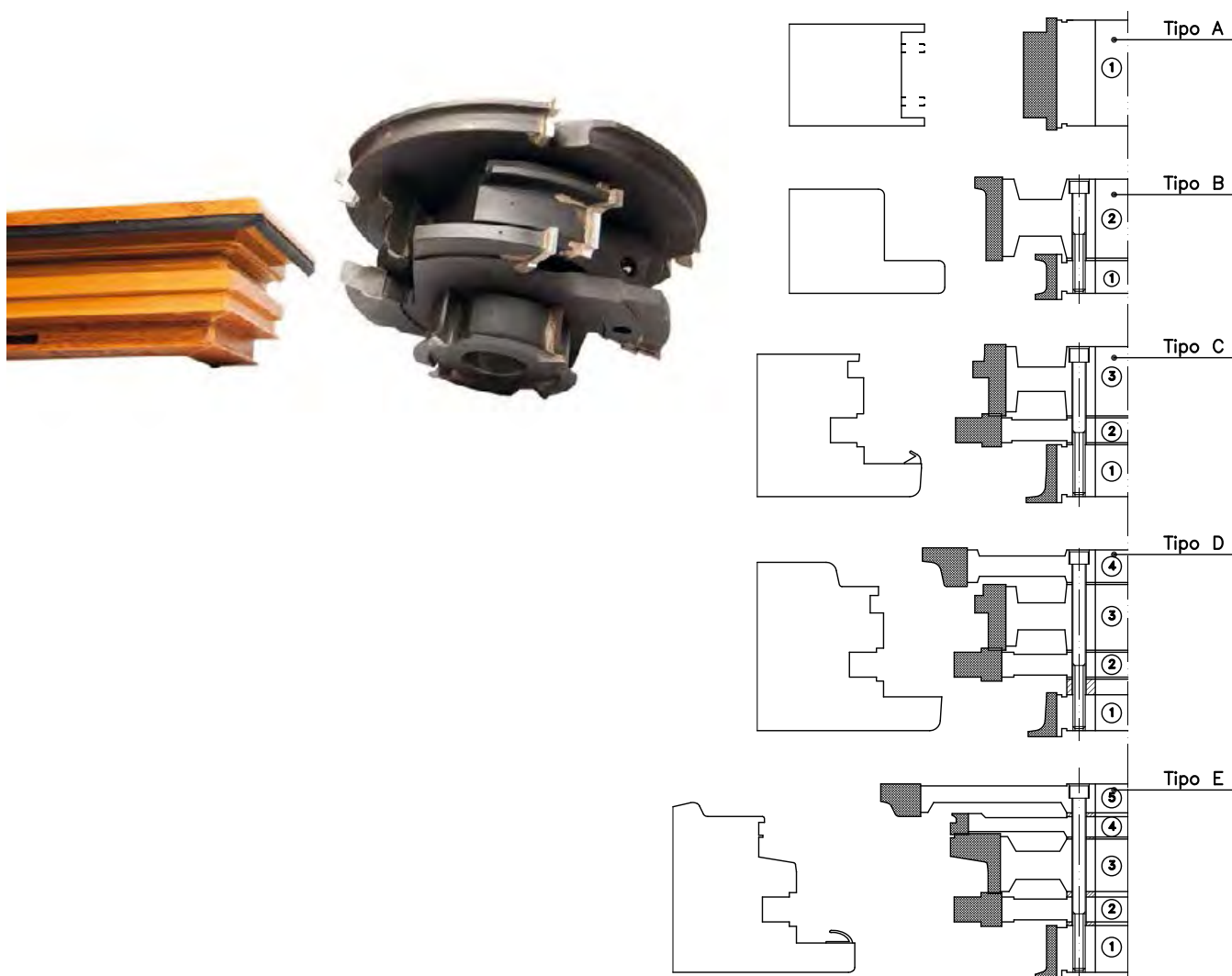
Hw (solid carbide) cutter sets
for external corner cleaning-for milling steerings and rails

Grupos de fresas en Hw (widia)
para limpiar angulos exteriores-para retestar traversaño



0.17

- 🇮🇹 Gruppi fresa in HW per pulitura esterna angoli Z=4
- 🇬🇧 HW milling cutters to clean the external part of the angle Z=4
- 🇪🇸 Conjuntos fresas en HW para limpiar angulos exteriores Z=4



Articolo Article/Articulo	Descrizione Description/Descripción
0.17/01	Pulitura telaio: nr.1 fresa (tipo A) Cleaning frame: n.1 milling cutter (type A) Limpieza marco: n.1 fresa (tipo A)
0.17/02	Pulitura persiana: nr.2 frese (tipo B) Cleaning shuttering: n.2 milling cutters (type B) Limpieza persiana: n.2 fresas (tipo B)
0.17/03	Pulitura anta: nr. 3 frese (tipo C) Cleaning leaf: n. 3 milling cutters (type C) Limpieza hoja: n. 3 fresas (tipo C)
0.17/04	Pulitura anta: nr. 4 frese (tipo D) Cleaning leaf: n. 4 milling cutters (type D) Limpieza hoja: n. 4 fresas (tipo D)
0.17/05	Pulitura anta: nr. 5 frese (tipo E) Cleaning leaf: n.5 milling cutters (type E) Limpieza hoja: n. 5 fresas (tipo E)

Fissaggio con chiave / Fixation with key / Each Fijación con clave
 Coltelli scavo drenaggio / Knives digging drainage / Each Cuchillos cavando drenaje
 Opzione frese Z=6 / Drills Z=6 option / Opción Fresas Z=6

- 🇮🇹 Scheda dati per l'indicazione delle misure dei gruppi fresa
- 🇬🇧 Data sheet to indicate the dimensions of the milling cutters unit
- 🇪🇸 Ficha para llenar con las medidas de los conjuntos de fresas



GRUPPO FRESE A PULIRE HW MILLING CUTTERS FOR CLEANING CONJUNTOS FRESAS EN HW PARA LIMPIAR

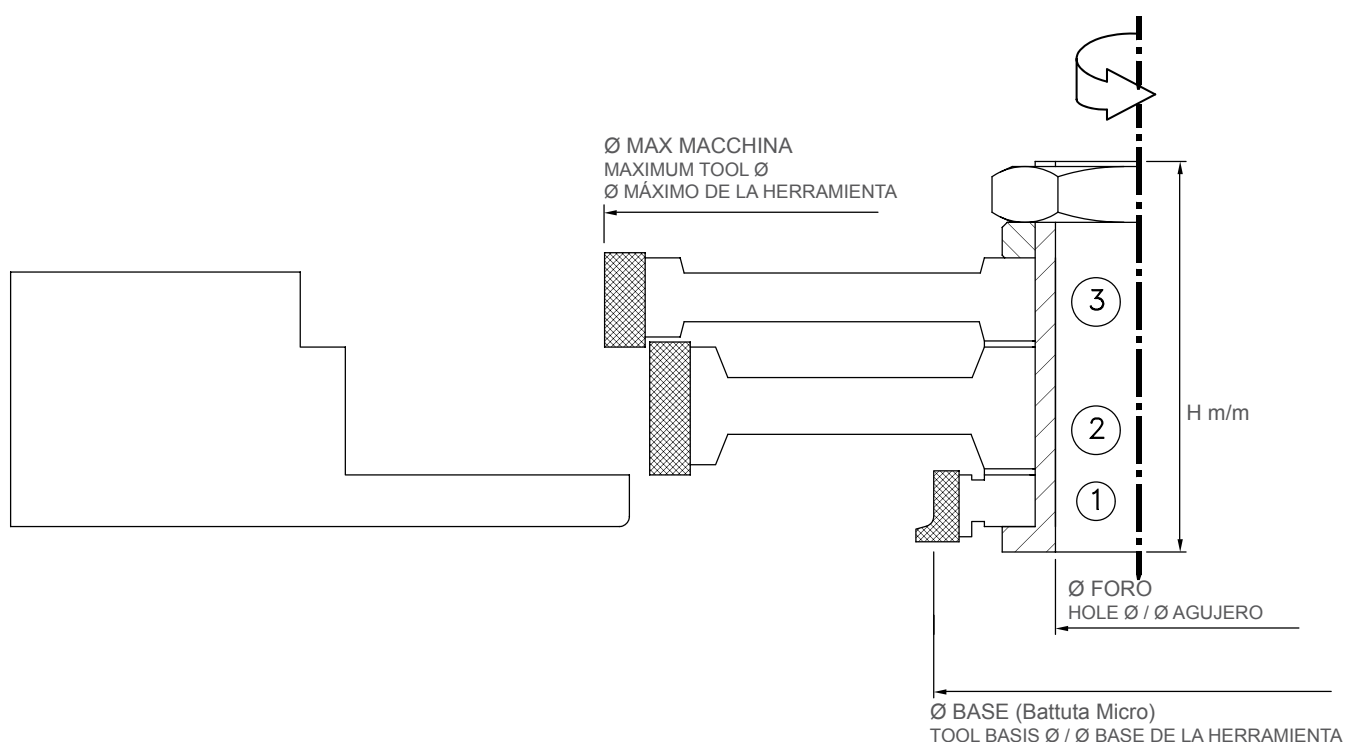
CODICE PROFILO
PROFILE CODE - CODIGO DEL PERFIL

DATA DISEGNO
DATE DRAWING - FECHA DEL DISEÑO

CODICE DISEGNO
DRAWING CODE - CODIGO DEL DISEÑO

SERIE
SERIES - SERIE

MACCHINA MACHINE/ MAQUINA
ROTAZIONE ROTATION / ROTACION



DATI DA COMPILARE - DATA TO BE FILLED - DATOS A LLENAR

- | | |
|---|---|
| A | TIPO MACCHINA + ROTAZIONE (marca e rotazione)
TYPE OF MACHINE AND ROTATION (BRAND AND MODEL) / TIPO DE MAQUINA Y ROTACION (marca, model) |
| B | Ø BASE UTENSILE
TOOL BASIS Ø / Ø BASE DE LA HERRAMIENTA |
| C | Ø MAX UTENSILE
MAXIMUM TOOL Ø / Ø MÁXIMO DE LA HERRAMIENTA |
| D | Ø FORO UTENSILE (indicare se presente anche chiavetta)
TOOL HOLE Ø / Ø AGUJERO DE LA HERRAMIENTA |
| E | PIANO PROFILO
PROFILE PLANE / PLANO DEL PERFIL |
| F | ALTEZZA CANOTTO (dove presente)
CUTTER BLOCK HIGHT / ALTURA DEL MANGUITO |
| G | ELENCO PROFILI A PULIRE
CUTTERS UNIT FOR CLEANING / LISTA DE PERFILES PARA LA LIMPIEZA |

- 🇮🇹 Gruppo fresa per angolo: esempio di disegno esecutivo
- 🇬🇧 Milling cutters unit for angle: exemple of executive drawing
- 🇪🇸 Conjunto de fresas para angulo: ejemplo de dibujo ejecutivo



GRUPPO FRESA ANTA DOOR MILLING CUTTER UNIT CONJUNTO DE FRESAS HOJA

CODICE PROFILO
PROFILE CODE - CODIGO DEL PERFIL

DATA DISEGNO
DATE DRAWING - FECHA DEL DISEÑO

CODICE DISEGNO
DRAWING CODE - CODIGO DEL DISEÑO

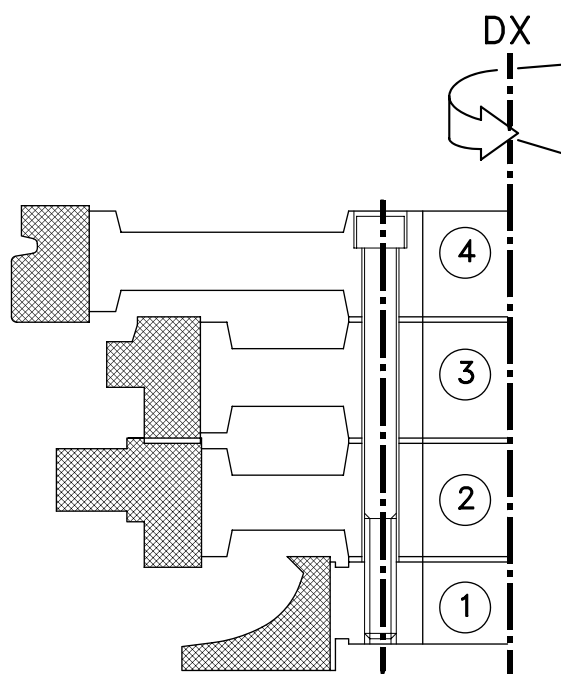
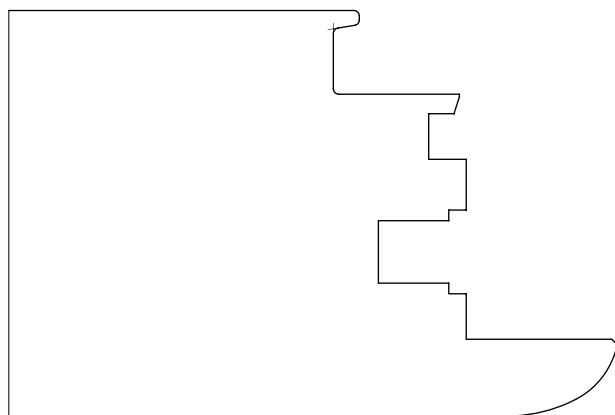
SERIE
SERIES - SERIE

PREZZO
PRICE - PRECIO

SCALA
SCALE - ESCALA

RIFERIMENTO
REF. - REFERENCIA

CODICE GRUPPO
SET CODE - CODIGO CONJUNTO



DATI DA COMPILARE - DATA TO BE FILLED - DATOS A LLENAR

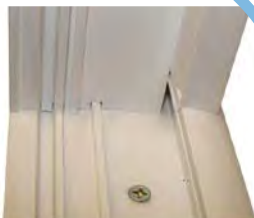
- | | |
|---|---|
| A | TIPO MACCHINA + ROTAZIONE (marca e rotazione)
TYPE OF MACHINE AND ROTATION (BRAND AND MODEL) / TIPO DE MAQUINA Y ROTACION (marca, model) |
| B | Ø BASE UTENSILE
TOOL BASIS Ø / Ø BASE DE LA HERRAMIENTA |
| C | Ø MAX UTENSILE
MAXIMUM TOOL Ø / Ø MÁXIMO DE LA HERRAMIENTA |
| D | Ø FORO UTENSILE (indicare se presente anche chiavetta)
TOOL HOLE Ø / Ø AGUJERO DE LA HERRAMIENTA |
| E | PIANO PROFILO
PROFILE PLANE / PLANO DEL PERFIL |
| F | ALTEZZA CANOTTO (dove presente)
CUTTER BLOCK HIGHT / ALTURA DEL MANGUITO |
| G | ELENCO PROFILI A PULIRE
CUTTERS UNIT FOR CLEANING / LISTA DE PERFILES PARA LA LIMPIEZA |

0.18

🇮🇹 **Gruppi fresa in HW per intestatura di piantoni e traversi Z=6**

🇬🇧 **HW cutters unit to mill steerings and rails Z=6**

🇪🇸 **Conjunto fresas en acero especial para retestar travesaño Z=6**



Esempi gruppi fresa ad intestare per profili senza cavallotto

Examples of milling cutters unit for profiles without u bolt

Ejemplos conjunto fresas para retestar perfiles sin angular



Esempi gruppi fresa ad intestare per profili con cavallotto.

Examples of milling cutters unit for profiles with u bolt

Ejemplos conjunto fresas para retestar perfiles con angular



Esempi gruppi fresa ad intestare per CNC –attacco HSK63F

Examples of milling cutters unit for cnc – with chuck hsk63f

Ejemplos conjunto fresas para cnc – con porta pinza hsk63f

Articolo Article/Articulo	Descrizione Description/Descripcion
0.18/1F	Gruppo a 1 fresa <i>Unit at 1 cutter / Conjunto a 1 fresa</i>
0.18/2F	Gruppo a 2 frese <i>Unit at 2 cutters / Conjunto a 2 fresas</i>
0.18/3F	Gruppo a 3 frese <i>Unit at 3 cutters / Conjunto a 3 fresas</i>
0.18/4F	Gruppo a 4 frese <i>Unit at 4 cutters / Conjunto a 4 fresas</i>
0.18/5F	Gruppo a 5 frese <i>Unit at 5 cutters / Conjunto a 5 fresas</i>
0.18/6F	Gruppo a 6 frese <i>Unit at 6 cutters / Conjunto a 6 fresas</i>

All' ordine specificare se per profili con o senza cavallotto / To order specify if profiles are with or without u bolt /

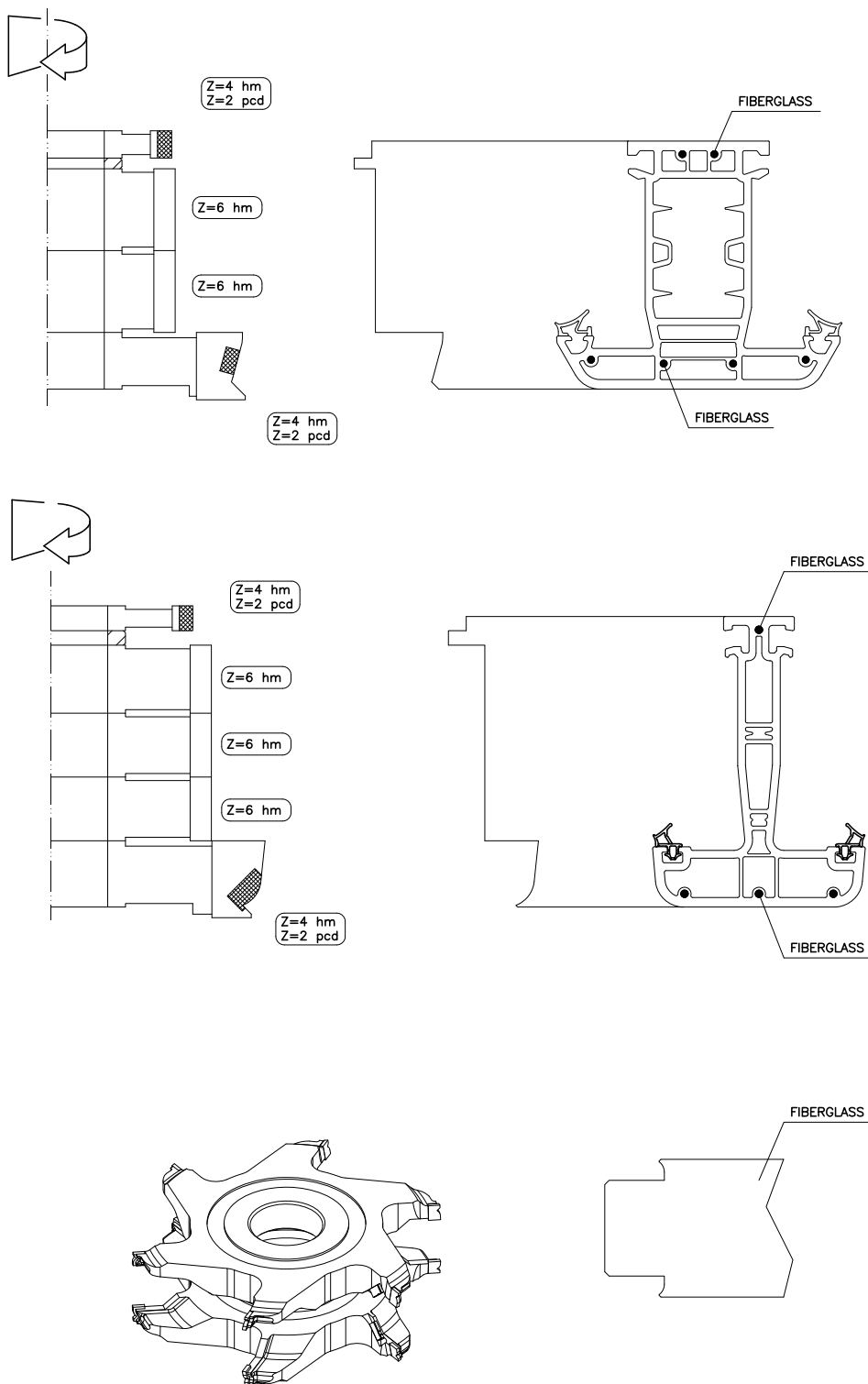
Para pedir especificar si los perfiles estan con o sin puente

Aumento per frese ø200 / Increase for cutters ø200 / Aumento para fresas ø200

Aumento per intestare alluminio Z=8 / Increase to mill aluminium Z=8 / Aumento para retestar aluminio Z=8

0.18F

- 🇮🇹 Gruppi fresa in HM + riporti in pcd per maggior durata dell' utensile per la lavorazione di profili con fibra di vetro
- 🇬🇧 HW cutters unit with pcd teeth for a more durable tool, for the working of fiberglass profiles
- 🇮🇹 Conjunto fresas en acero especial para retestar fibra de vidrio



- 🇮🇹 **Scheda dati per l'indicazione delle misure dei gruppi fresa e tipo attacco**
 🇬🇧 **Data sheet to indicate the measures and the sharps of the milling cutters units**
 🇪🇸 **Hoja de datos para la indicación del tipo de conjuntos de corte y ataque**



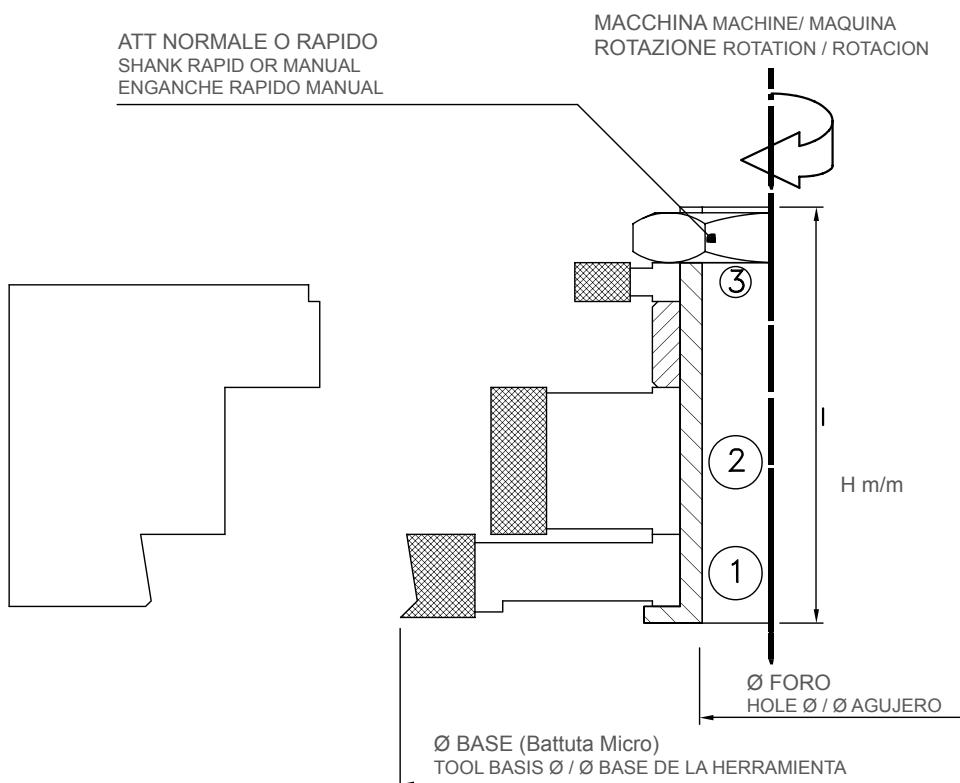
GRUPPO AD INTESTARE MILLING CUTTERS UNIT CONJUNTO DE FRESAS A RETESTAR

CODICE PROFILO
PROFILE CODE - CODIGO DEL PERFIL

DATA DISEGNO
DATE DRAWING - FECHA DEL DISEÑO

CODICE DISEGNO
DRAWING CODE - CODIGO DEL DISEÑO

SERIE
SERIES - SERIE



DATI DA COMPILARE - DATA TO BE FILLED - DATOS A LLENAR

- | | |
|----------|---|
| A | TIPO MACCHINA + ROTAZIONE (marca e rotazione)
TYPE OF MACHINE AND ROTATION (BRAND AND MODEL) / TIPO DE MAQUINA Y ROTACION (marca, model) |
| B | Ø MAX UTENSILE
MAXIMUM TOOL Ø / Ø MÁXIMO DE LA HERRAMIENTA |
| C | Ø FORO UTENSILE (indicare se presente anche chiavetta)
TOOL HOLE Ø / Ø AGUJERO DE LA HERRAMIENTA |
| D | PIANO PROFILO
PROFILE PLANE / PLANO DEL PERFIL |
| E | ALTEZZA CANOTTO (dove presente)
CUTTER BLOCK HIGHT / ALTURA DEL MANGUITO |
| F | CANOTTO ATTACCO RAPIDO O MANUALE
SLEEVE SHANK RAPID OR MANUAL / MANUITO ENGANCHE RAPIDO MANUAL |
| G | ELENCO PROFILI DA INTESTARE
CUTTERS UNIT FOR CLEANING / LISTA DE PERFILES PARA LA LIMPIEZA |

- 🇮🇹 Gruppo fresa a intestare: esempio di disegno esecutivo
- 🇬🇧 Milling cutters: exemple of eeutive drawing
- 🇪🇸 Conjunto de fresas a retestar: ejemplo de dibujo ejecutivo



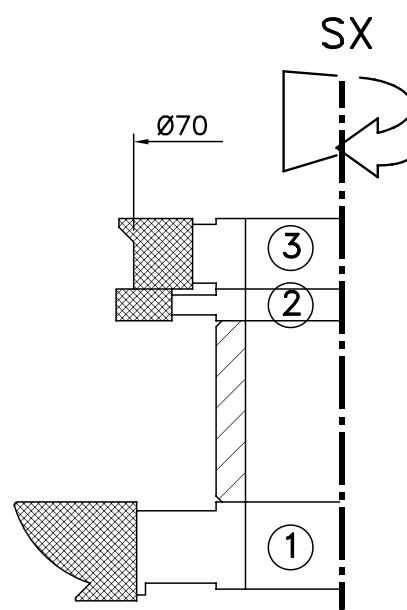
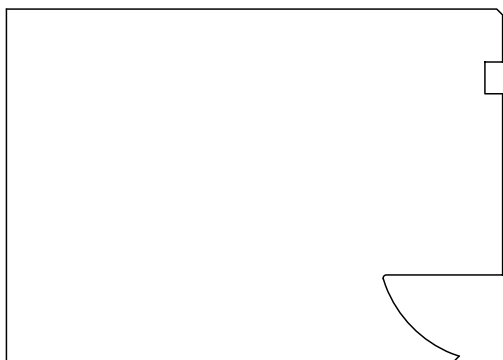
GRUPPO AD INTESTARE MILLING CUTTERS UNIT CONJUNTO DE FRESAS A RETESTAR

CODICE PROFILO
PROFILE CODE - CODIGO DEL PERFIL

DATA DISEGNO
DATE DRAWING - FECHA DEL DISEÑO

CODICE DISEGNO
DRAWING CODE - CODIGO DEL DISEÑO

SERIE
SERIES - SERIE

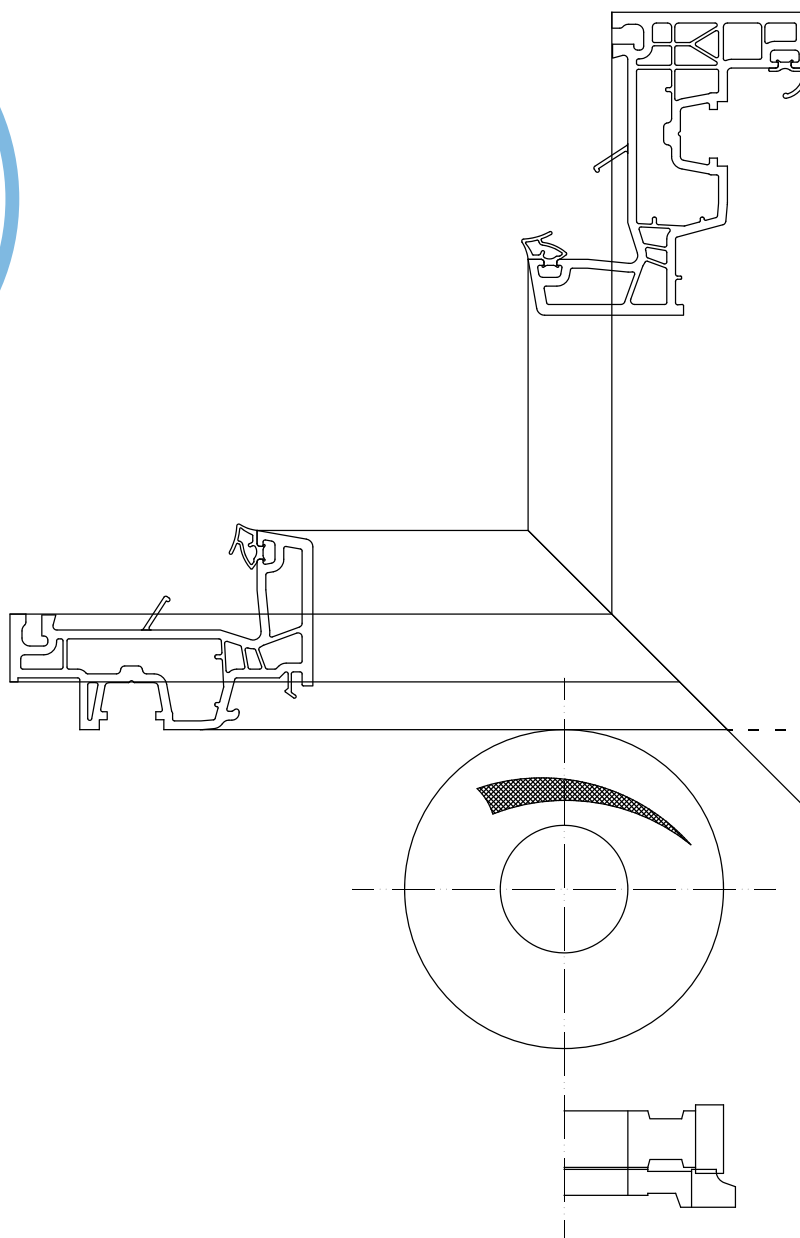


DATI DA COMPILARE - DATA TO BE FILLED - DATOS A LLENAR

- | | |
|----------|---|
| A | TIPO MACCHINA + ROTAZIONE (marca e rotazione)
TYPE OF MACHINE AND ROTATION (BRAND AND MODEL) / TIPO DE MAQUINA Y ROTACION (marca, model) |
| B | Ø MAX UTENSILE
MAXIMUM TOOL Ø / Ø MÁXIMO DE LA HERRAMIENTA |
| C | Ø FORO UTENSILE (indicare se presente anche chiavetta)
TOOL HOLE Ø / Ø AGUJERO DE LA HERRAMIENTA |
| D | PIANO PROFILO
PROFILE PLANE / PLANO DEL PERFIL |
| E | ALTEZZA CANOTTO (dove presente)
CUTTER BLOCK HIGHT / ALTURA DEL MANGUITO |
| F | CANOTTO ATTACCO RAPIDO O MANUALE
SLEEVE SHANK RAPID OR MANUAL / MANUITO ENGANCHE RAPIDO MANUAL |
| G | ELENCO PROFILI DA INTESTARE
CUTTERS UNIT FOR CLEANING / LISTA DE PERFILES PARA LA LIMPIEZA |

0.20

- 🇮🇹 Gruppo di frese in HM per intestare profilo nodo ridotto
- 🇬🇧 HW cutters unit to mill profile of reduced sash
- 🇪🇸 conjunto fresas en hm para retestar el perfil hoja reducida



Articolo
Article/Articulo

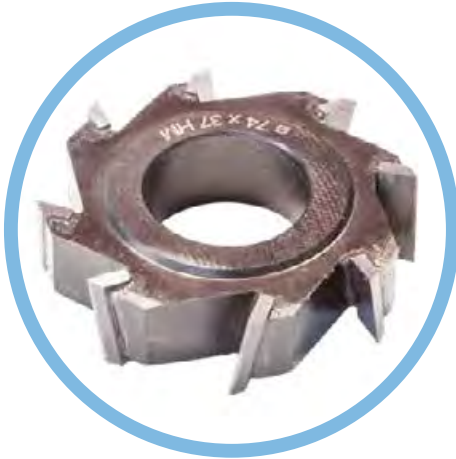
0.20/2F

Descrizione
Description/Descripción

Gruppo a 2 frese
2 cutters unit
Conjunto a 2 fresas

0.21

- 🇮🇹 Frese per intestatura di profili in alluminio in HW ad angolo retto a denti inclinati e alternati o dritti
- 🇬🇧 Aluminium milling cutters in HW at right angle with tilted, alternate or rights teeth
- 🇪🇸 Fresas en HW con angulo recto a dientes inclinados y alternos o rectos para retestar perfiles en aluminio



Denti inclinati e alternati
Tilted and alternate teeth
Dientes inclinados y alternados



Denti dritti
Rights teeth
Dientes rectos

All'ordine specificare se a denti dritti o alternati, lo standard è a denti alternati.
At the order specify rights teeth or alternate teeth. standard teeth are alternating
Para pedir especificar con dientes rectos o alternados, standard los dientes son alternados.

0.21

-  Frese a denti alternati
-  Cutters with alternate teeth
-  Fresas con dientes alternados

Articolo Article/Articulo	Ø	Spessore Thickness/Espesor	Z=
0.21/01	50-59	3-5	6
0.21/02		6-7	6
0.21/03		8-9	6
0.21/04		10-11	6
0.21/05		12-13	6
0.21/06		14-15	6
0.21/07		16-17	6
0.21/08		18-19	6
0.21/09		20-21	6
0.21/10	60-69	3-5	6
0.21/11		6-7	6
0.21/12		8-9	6
0.21/13		10-11	6
0.21/14		12-13	6
0.21/15		14-15	6
0.21/16		16-17	6
0.21/17		18-19	6
0.21/18		20-21	6
0.21/19	70-79	3-5	8
0.21/20		6-7	8
0.21/21		8-9	8
0.21/22		10-11	8
0.21/23		12-13	8
0.21/24		14-15	8
0.21/25		16-17	8
0.21/26		18-19	8
0.21/27		20-21	8
0.21/28	80-89	3-5	8
0.21/29		6-7	8
0.21/30		8-9	8
0.21/31		10-11	8
0.21/32		12-13	8
0.21/33		14-15	8
0.21/34		16-17	8
0.21/35		18-19	8
0.21/36		20-21	8
0.21/37	90-99	3-5	8
0.21/38		6-7	8
0.21/39		8-9	8
0.21/40		10-11	8

0.21

-  Frese a denti alternati
-  Cutters with alternate teeth
-  Fresas con dientes alternados

Articolo Article/Articulo	Ø	Spessore Thickness/Espesor	Z=
0.21/41	90-99	12-13	8
0.21/42		14-15	8
0.21/43		16-17	8
0.21/44		18-19	8
0.21/45		20-21	8
0.21/46	100-109	3-5	10
0.21/47		6-7	10
0.21/48		8-9	10
0.21/49		10-11	10
0.21/50		12-13	10
0.21/51		14-15	10
0.21/52		16-17	10
0.21/53		18-19	10
0.21/54		20-21	10
0.21/55	110-119	3-5	12
0.21/56		6-7	12
0.21/57		8-9	12
0.21/58		10-11	12
0.21/59		12-13	12
0.21/60		14-15	12
0.21/61		16-17	12
0.21/62		18-19	12
0.21/63		20-21	12
0.21/64	120-129	3-5	14
0.21/65		6-7	14
0.21/66		8-9	14
0.21/67		10-11	14
0.21/68		12-13	14
0.21/69		14-15	14
0.21/70		16-17	14
0.21/71		18-19	14
0.21/72		20-21	14
0.21/73	130-139	3-5	16
0.21/74		6-7	16
0.21/75		8-9	16
0.21/76		10-11	16
0.21/77		12-13	16
0.21/78		14-15	16
0.21/79		16-17	16
0.21/80		18-19	16

0.21

-  Frese a denti alternati
-  Cutters with alternate teeth
-  Fresas con dientes alternados

Articolo Article/Artículo	Ø	Spessore Thickness/Espesor	Z=
0.21/81	140-149	20-21	16
0.21/82		3-5	16
0.21/83		6-7	16
0.21/84		8-9	16
0.21/85		10-11	16
0.21/86		12-13	16
0.21/87		14-15	16
0.21/88	150-159	16-17	16
0.21/89		18-19	16
0.21/90		20-21	16
0.21/91		3-5	18
0.21/92		6-7	18
0.21/93		8-9	18
0.21/94		10-11	18
0.21/95	160-169	12-13	18
0.21/96		14-15	18
0.21/97		16-17	18
0.21/98		18-19	18
0.21/99		20-21	18
0.21/100		3-5	18
0.21/101		6-7	18
0.21/102	170-179	8-9	18
0.21/103		10-11	18
0.21/104		12-13	18
0.21/105		14-15	18
0.21/106		16-17	18
0.21/107		18-19	18
0.21/108		20-21	18
0.21/109	180-189	3-5	18
0.21/110		6-7	18
0.21/111		8-9	18
0.21/112		10-11	18
0.21/113		12-13	18
0.21/114		14-15	18
0.21/115		16-17	18
0.21/116	180-189	18-19	18
0.21/117		20-21	18
0.21/118		3-5	20
0.21/119		6-7	20
0.21/120		8-9	20

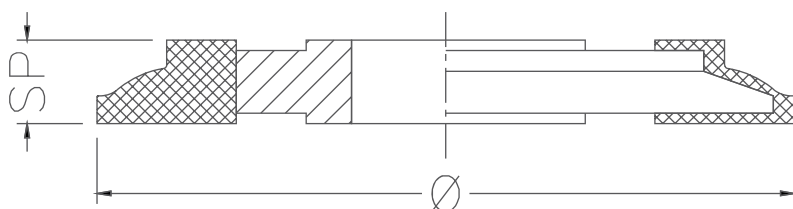
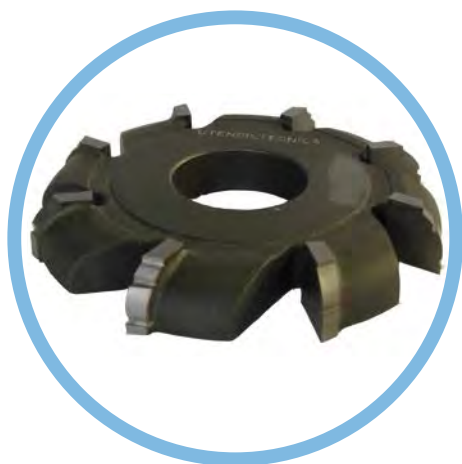
0.21

-  Frese a denti alternati
-  Cutters with alternate teeth
-  Fresas con dientes alternados

Articolo Article/Articulo	Ø	Spessore Thickness/Espesor	Z=
0.21/121		10-11	20
0.21/122		12-13	20
0.21/123		14-15	20
0.21/124		16-17	20
0.21/125		18-19	20
0.21/126		20-21	20
0.21/127	190-200	3-5	20
0.21/128		6-7	20
0.21/129		8-9	20
0.21/130		10-11	20
0.21/131		12-13	20
0.21/132		14-15	20
0.21/133		16-17	20
0.21/134		18-19	20
0.21/135		20-21	20

0.22

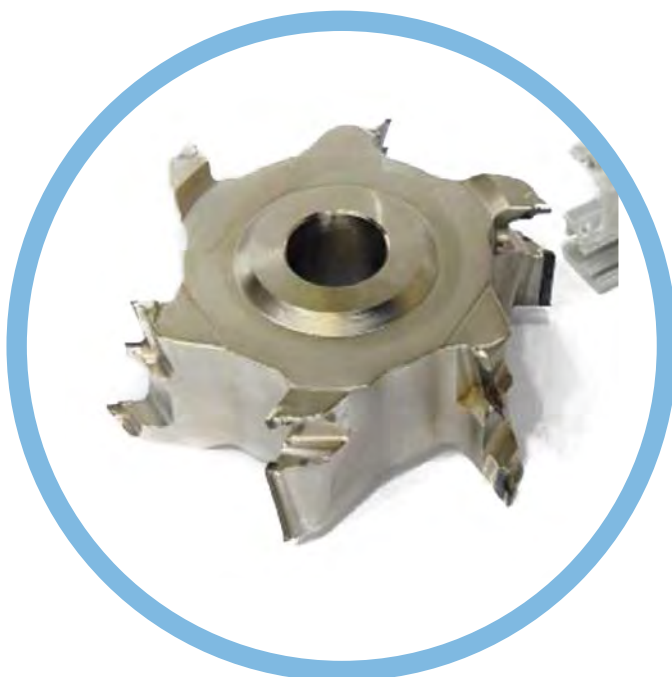
- 🇮🇹 Frese sagomate in HW per intestatura di **alluminio** Z=8
- 🇬🇧 HW shaped cutter for milling aluminium profiles Z=8
- 🇪🇸 Fresas en forma en HW para retestar aluminio Z=8



Articolo Article/Articulo	Ø	Spessore Thickness/Espesor
0.22/104x12	95÷104	12
0.22/104x14	95÷104	14
0.22/104x16	95÷104	16
0.22/104x18	95÷104	18
0.22/104x20	95÷104	20
0.22/104x22	95÷104	22
0.22/119x12	105÷119	12
0.22/119x14	105÷119	14
0.22/119x16	105÷119	16
0.22/119x18	105÷119	18
0.22/119x20	105÷119	20
0.22/119x22	105÷119	22
0.22/129x12	120÷129	12
0.22/129x14	120÷129	14
0.22/129x16	120÷129	16
0.22/129x18	120÷129	18
0.22/129x20	120÷129	20
0.22/129x22	120÷129	22

8F.2001

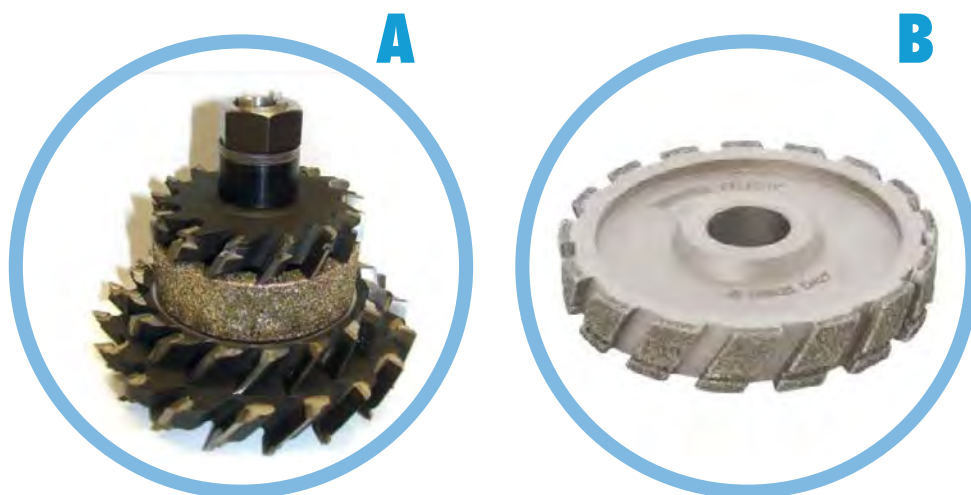
- 🇮🇹 Gruppi fresa in diamante per intestare materiali compositi (con fibre di vetro ecc.)
- 🇬🇧 Diamond cutters units to mill composite materials (with Fiberglass etc.)
- 🇪🇸 Conjuntos de fresas en diamante para retestar materiales compositos (con fibras de vidrio etc)



Articolo Article/Artículo	L. tot. placchette (H=4) Total plates length (H=4)/Longitud Total placas (H=4)
8F.2001/001÷030	1÷30 mm
8F.2001/031÷050	31÷50 mm
8F.2001/051÷070	51÷70 mm
8F.2001/071÷090	71÷90 mm
8F.2001/091÷110	91÷110 mm
8F.2001/111÷130	111÷130 mm
8F.2001/131÷150	131÷150 mm
8F.2001/151÷O	151 mm e oltre / and over / mm y más

8F.2002

- 🇮🇹 Gruppi fresa combinati in diamante elettrodepositato e HW per intestare materiali misti
- 🇬🇧 *Combined electrodeposited diamond and HW cutters units to mill joint materials*
- 🇪🇸 *Conjuntos de fresas combinados en diamante electrodepositado y HW para retestar materiales mixtos*



Articolo Article/Articulo	A	B
8F.2002-01	Numero dischi + l. totale denti HW <i>Number of milling blades + ttl HW teeth length</i> <i>Numero discos + longitud ttl dientes HW</i>	Sviluppo diamante elettrodepositato <i>Electrodeposited diamond process</i> <i>Desarrollo diamante electrodepositado</i>



P

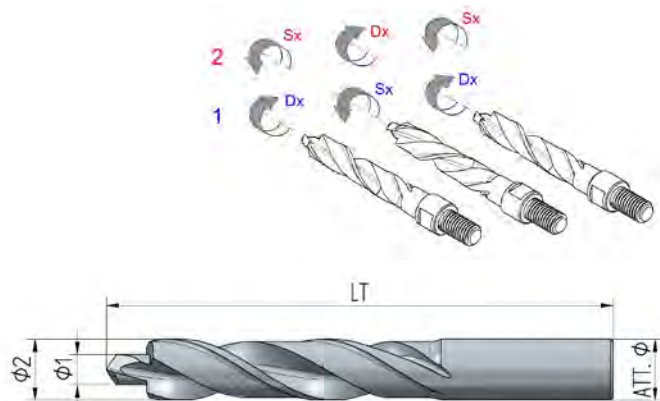
Punte in HSS a forare

HSS boring bits
brocas de perforación en HSS



PF034

- 🇮🇹 **Punte per foro maniglia a gambo cilindrico a doppio diametro in HSS+8% CO per forare **PVC** e rinforzo in acciaio**
- 🇬🇧 **Bits for handle's holes with cylindrical shank at double diameter in HSS+8% CO to drill PVC and reinforcing steel**
- 🇪🇸 **Fresas para el taladro del tirador con mango cilindricos a doble diametro en HSS+8% CO para taladrar PVC y el refuerzo de acero**



Articolo Article/Articulo	Ø 1	Ø 2	LT	Att. Ø Ø Shaft/Ø Eje	Rotazione Rotation/Rotacion
PF034/10A1	6	10	84	10	DX
PF034/10A2	6	10	92	10	DX
PF034/10A3	6	10	115	10	DX
PF034/10A4	6	10	150	10	DX
PF034/12A1	6	12	75	10	DX
PF034/12A2	6	12	105	10	DX
PF034/12A3	6	12	110	10	DX
PF034/14A1	6	14	92	10	DX
PF034/14A2	6	14	94	10	DX
PF034/14A3	6	14	98	10	DX
PF034/10B1	6	10	92	10	SX
PF034/10B2	6	10	75	10	SX
PF034/10B3	6	10	88	10	SX
PF034/12B1	6	12	88	10	SX
PF034/12B2	6	12	92	10	SX
PF034/12B3	6	12	110	10	SX
PF034/12B4	6	12	115	10	SX
PF034/12B5	6	12	150	10	SX

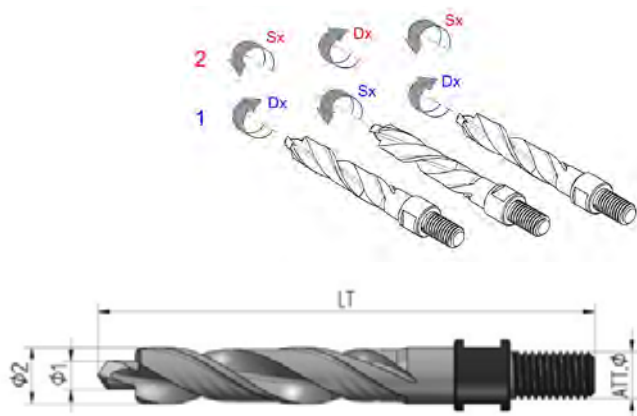
Le punte possono venire utilizzate anche con mandrino articolo 7.31 (vedere a pag. 228)

Bits can be also used with spindle article 7.31 (see page 228)

Las puntas se pueden utilizar tambien con el mandrino articulo 7.31 (ver pagina 228)

PF034S

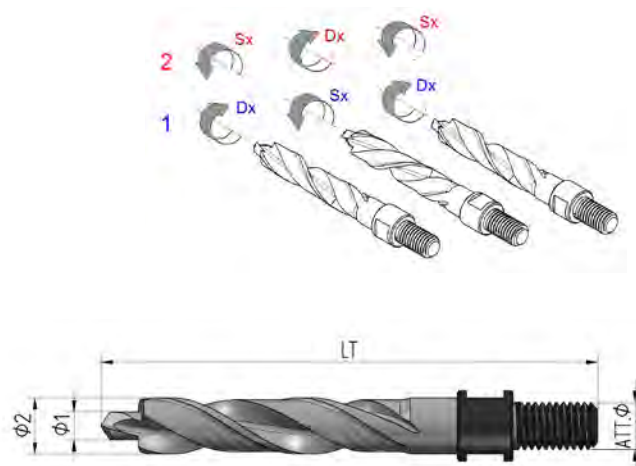
- 🇮🇹 **Punte per foro maniglia Z=2 a doppio diametro e attacco filettato M10 per PVC e rinforzo in acciaio in HSS + 8% CO**
- 🇬🇧 **Bits for handle's holes Z=2 at double diameter with M10 threaded shaft for PVC and reinforcing steel in HSS+8% CO**
- 🇪🇸 **Fresas para el taladro del tirador Z=2 a doble diametro y con fijacion roscada M10 para taladrar PVC y el refuerzo de acero en HSS + 8% CO**



Articolo Article/Articulo	Ø1	Ø2	LT	Attacco Shaft/Enganche	Rotazione Rotation/Rotacion	
PF034S/10A1	6	10	65	M10	DX	RL
PF034S/10A2	6	10	76	M10	DX	RL
PF034S/10A3	6	10	84	M10	DX	RL
PF034S/10A4	6	10	87	M10	DX	RL
PF034S/10A5	6	10	100	M10	DX	RL
PF034S/10A6	6	10	113	M10	DX	RL
PF034S/12A1	6	12	65	M10	DX	RL
PF034S/12A2	6	12	76	M10	DX	RL
PF034S/12A3	6	12	84	M10	DX	RL
PF034S/12A4	6	12	87	M10	DX	RL
PF034S/12A5	6	12	100	M10	DX	RL
PF034S/12A6	6	12	113	M10	DX	RL
PF034S/14A1	6	14	65	M10	DX	RL
PF034S/14A2	6	14	76	M10	DX	RL
PF034S/14A3	6	14	84	M10	DX	RL
PF034S/14A4	6	14	87	M10	DX	RL
PF034S/14A5	6	14	113	M10	DX	RL

PF034S

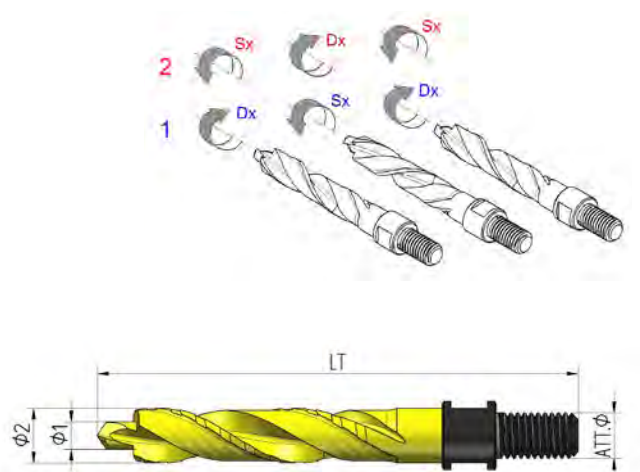
- 🇮🇹 **Punte per foro maniglia Z=2 a doppio diametro e attacco filettato M10 per PVC e rinforzo in acciaio in HSS + 8% CO**
- 🇬🇧 **Bits for handle's holes Z=2 at double diameter with M10 threaded shaft for PVC and reinforcing steel in HSS+8% CO**
- 🇪🇸 **Fresas para el taladro del tirador Z=2 a doble diametro y con fijacion roscada M10 para taladrar PVC y el refuerzo de acero en HSS + 8% CO**



Articolo Article/Articulo	Ø1	Ø2	LT	Attacco Shaft/Enganche	Rotazione Rotation/Rotacion	
PF034S/10B1	6	10	60	M10	SX	LL
PF034S/10B2	6	10	72	M10	SX	LL
PF034S/10B3	6	10	87	M10	SX	LL
PF034S/10B4	6	10	100	M10	SX	LL
PF034S/10B5	6	10	113	M10	SX	LL
PF034S/12B1	6	12	60	M10	SX	LL
PF034S/12B2	6	12	72	M10	SX	LL
PF034S/12B3	6	12	87	M10	SX	LL
PF034S/12B4	6	12	100	M10	SX	LL
PF034S/12B5	6	12	113	M10	SX	LL
PF034S/14B1	6	14	65	M10	SX	LL
PF034S/14B2	6	14	72	M10	SX	LL
PF034S/14B3	6	14	87	M10	SX	LL
PF034S/14B4	6	14	113	M10	SX	LL

PF035

- 🇮🇹 **Punte a doppio diametro con attacco filettato M10 per foro maniglia Z=4 + rom-pitrucolo per forare **PVC e acciaio** in HSS+8% CO e trattamento TiN**
- 🇬🇧 **Bits at double diameter with M10 threaded shaft for handle's hole Z=4 + breake swarfs to drill PVC and steel reinforcement in HSS+8% CO, TiN processing**
- 🇪🇸 **Fresas para el taladro del tirador Z=4 a doble diametro y con fijacion roscada M10 + afilados para recortar la viruta, para taladrar PVC y el refuerzo de acero en HSS+8% co cubierto TiN**



Articolo Article/Articulo	$\phi 1$	$\phi 2$	LT	Rotazione Rotation/Rotacion
PF035/12A1	6	12	87,5	DX
PF035/12A2	6	12	90	DX
PF035/12A3	6	12	109	DX
PF035/12A4	6	12	113	DX
PF035/12A5	6	12	116,5	DX
PF035/12A6	6	12	133	DX
PF035/10B1	6	10	87,5	SX
PF035/10B2	6	10	90	SX
PF035/10B3	6	10	109	SX
PF035/10B4	6	10	113	SX
PF035/10B5	6	10	116,5	SX
PF035/10B6	6	10	133	SX
PF035/12B1	6	12	90	SX
PF035/12B2	6	12	110	SX

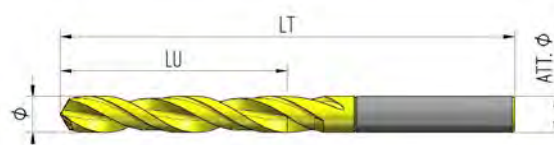
Si esegue affilatura e rivestimento TiN
 Sharpening and TiN processing
 Se ejecutan afiladora y acabado TiN

PF037

🇮🇹 Punte a forare a Z=2 in HSS + 5% CO

🇬🇧 Drilling bits at Z=2 in HSS + 5% CO

🇪🇸 Fresas para el taladro Z=2 en HSS + 5% CO



Articolo Article/Artículo	Ø	LU	LT	Att. Ø Ø Shaft/Ø Eje
PF037/A1	2,5	30	57	2,5
PF037/A2	3	33	61	3
PF037/A3	3,3	36	65	3,3
PF037/A4	3,5	39	70	3,5
PF037/A5	4	43	75	4
PF037/A6	4,2	43	75	4,2
PF037/A7	4,5	47	75	4,5
PF037/A8	5	52	86	5
PF037/A9	5,5	57	93	5,5
PF037/A10	6	57	93	6
PF037/A11	6,5	63	101	6,5
PF037/A12	6,8	69	109	6,8
PF037/A13	7	69	109	7
PF037/A14	8	75	117	8
PF037/A15	8,5	75	117	8,5
PF037/A16	9	81	125	9
PF037/A17	10	87	133	10
PF037/A18	10,5	87	133	10,5
PF037/A19	11	94	142	11
PF037/A20	12	101	151	12
PF037/A21	13	101	151	13
PF037/A22	14	108	160	14



FRESE

Frese/punte in diamante e hw per alluminio/pvc

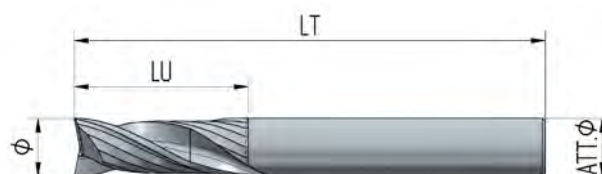
Pcd and hw (solid carbide) cutters and drills
for processing aluminum/pvc

Fresas y brocas en diamante y hw (widia)
para procesar aluminio/pvc



PA040

- 🇮🇹 Frese elicoidali in hw micrograna Z=2 serie corta per lavorare **ALLUMINIO** su macchine CNC
- 🇬🇧 "Helicoidal cutters Z=2 in HW MICROGRAIN short version for processing aluminium on CNC machining centers"
- 🇪🇸 "Fresas helicoidales Z=2 en HW MICRO serie corta para trabajar aluminio para centro de trabajos"

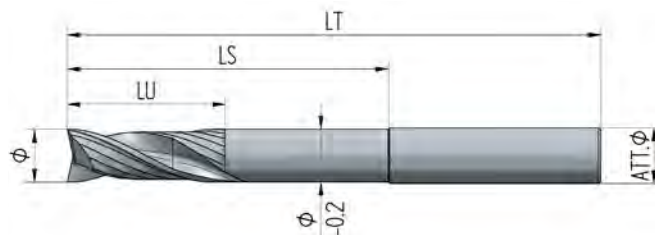


Articolo Article/Artículo	Ø	LU	LT	Att. Ø Ø Shaft/Ø Eje
PA040/03A1	3	12	50	3
PA040/04A1	4	12	60	4
PA040/05A1	5	20	60	5
PA040/06A1	6	20	60	6
PA040/07A1	7	40	90	7
PA040/08A1	8	20	60	8
PA040/08B1	8	20	80	8
PA040/10A1	10	25	70	10
PA040/10B1	10	25	80	10

* si esegue rivestimento per alluminio
Aluminium-coating available
Está hecho de recubrimiento de aluminio

PA041

- 🇮🇹 Frese elicoidali in hw micrograna Z=2 serie lunga per lavorare **ALLUMINIO** su macchine CNC
- 🇬🇧 "Helicoidal cutters Z=2 in HW MICROGRAIN long version for processing aluminium on CNC machining centers"
- 🇪🇸 "Fresas helicoidales Z=2 en HW MICRO serie larga para trabajar aluminio para centro de trabajos"

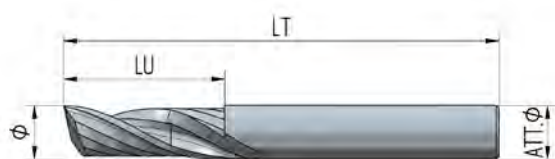
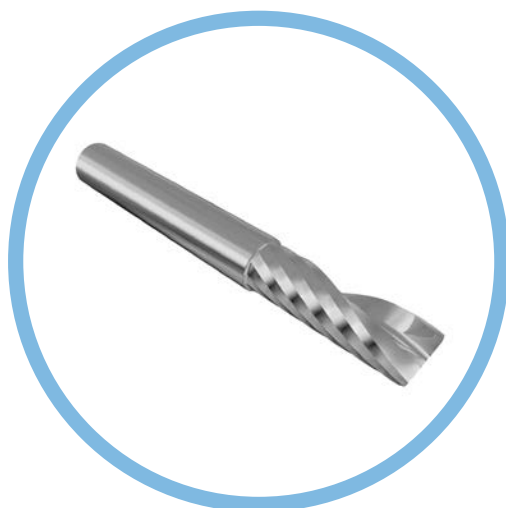


Articolo Article/Artículo	Ø	LU	LS	LT	Att. Ø Ø Shaft/Ø Eje
PA041/05B1	5	15	35	80	8
PA041/05C1	5	30	60	100	8
PA041/06B1	6	20	35	80	8
PA041/06C1	6	30	60	100	8
PA041/08A1	8	15	45	80	8
PA041/08B1	8	15	50	95	8
PA041/08C1	8	20	75	100	8
PA041/10A1	10	12	80	110	10
PA041/10B1	10	15	30	80	10
PA041/10C1	10	15	61	90	10
PA041/10D1	10	15	50	95	10
PA041/10E1	10	25	75	100	10
PA041/12A1	12	20	60	100	12
PA041/12B1	12	35	75	100	12
PA041/12C1	12	35	95	120	12
PA041/14A1	14	35	75	100	14
PA041/14B1	14	35	95	120	14
PA041/16A1	16	20	60	115	16
PA041/16B1	16	25	55	95	16
PA041/20A1	20	20	70	125	20

* si esegue rivestimento per alluminio
Aluminium-coating available
Está hecho de recubrimiento de aluminio

PA043

- 🇮🇹 Frese elicoidali in hw micrograna Z=1 serie corta per lavorare **ALLUMINIO** su macchine CNC
- 🇬🇧 "Helicoidal cutters Z=1 in HW MICROGRAIN short version for processing aluminium on CNC machining centers"
- 🇪🇸 "Fresas helicoidales Z=1 en HW MICRO serie corta para trabajar aluminio para centro de trabajos"

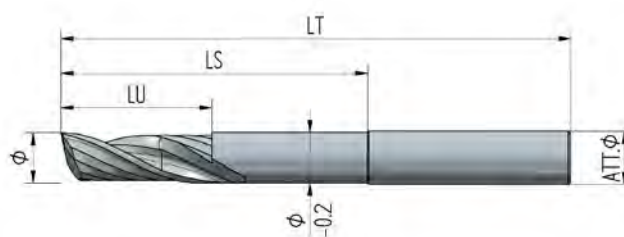
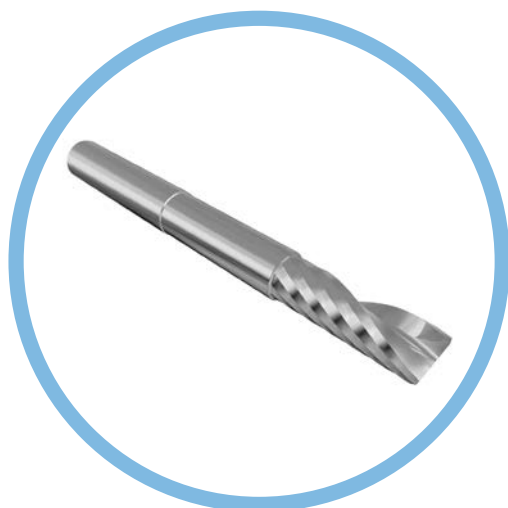


Articolo Article/Articulo	Ø	LU	LT	Att. Ø Ø Shaft/Ø Eje
PA043/03A1	3	12	50	3
PA043/04A1	4	12	60	4
PA043/05A1	5	20	50	5
PA043/05B1	5	20	60	5
PA043/05D1	5	20	50	8
PA043/05E1	5	20	60	8
PA043/06A1	6	20	60	6
PA043/06B1	6	20	80	6
PA043/06C1	6	20	60	8
PA043/08A1	8	22	65	8
PA043/08B1	8	25	80	8
PA043/10A1	10	25	65	10
PA043/10B1	10	27	75	10
PA043/10C1	10	30	85	10

* si esegue rivestimento per alluminio
Aluminium-coating available
Está hecho de recubrimiento de aluminio

PA044

- 🇮🇹 Frese elicoidali in hw micrograna Z=1 serie lunga per lavorare **ALLUMINIO** su macchine CNC
- 🇬🇧 "Helicoidal cutters Z=1 in HW MICROGRAIN long version for processing aluminium on CNC machining centers"
- 🇪🇸 "Fresas helicoidales Z=1 en HW MICRO serie larga para trabajar aluminio para centro de trabajos"

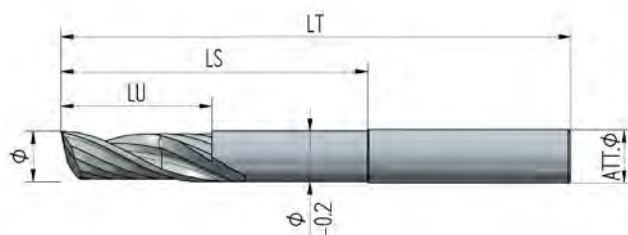
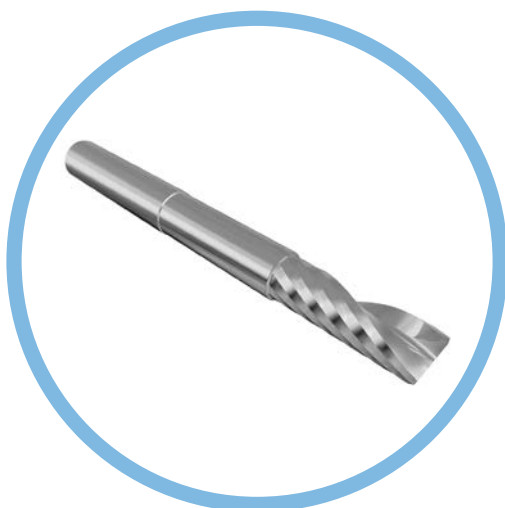


Articolo Article/Artículo	Ø	LU	LS	LT	Att. Ø Ø Shaft/Ø Eje
PA044/03B1	3	12	35	80	6
PA044/03C1	3	12	35	80	8
PA044/04B1	4	12	30	80	8
PA044/04C1	4	12	40	80	8
PA044/04D1	4	20	35	70	8
PA044/05B1	5	15	30	80	8
PA044/05C1	5	15	50	100	8
PA044/05D1	5	20	35	80	8
PA044/05E1	5	20	45	80	8
PA044/05F1	5	20	40	90	8
PA044/05G1	5	20	50	100	8
PA044/05H1	5	20	60	100	8
PA044/05I1	5	25	30	80	8
PA044/05L1	5	25	55	100	8
PA044/06B1	6	10	40	80	8
PA044/06C1	6	20	35	70	8
PA044/06D1	6	20	35	80	8
PA044/06E1	6	20	60	100	8

* si esegue rivestimento per alluminio
Aluminium-coating available
Está hecho de recubrimiento de aluminio

PA044

- 🇮🇹 Frese elicoidali in hw micrograna Z=1 serie lunga per lavorare **ALLUMINIO** su macchine CNC
- 🇬🇧 "Helicoidal cutters Z=1 in HW MICROGRAIN long version for processing aluminium on CNC machining centers"
- 🇪🇸 "Fresas helicoidales Z=1 en HW MICRO serie larga para trabajar aluminio para centro de trabajos"

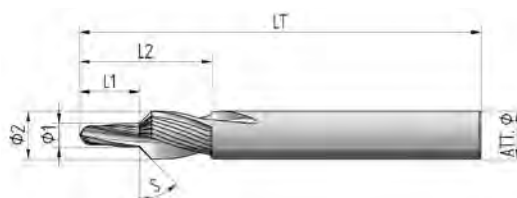
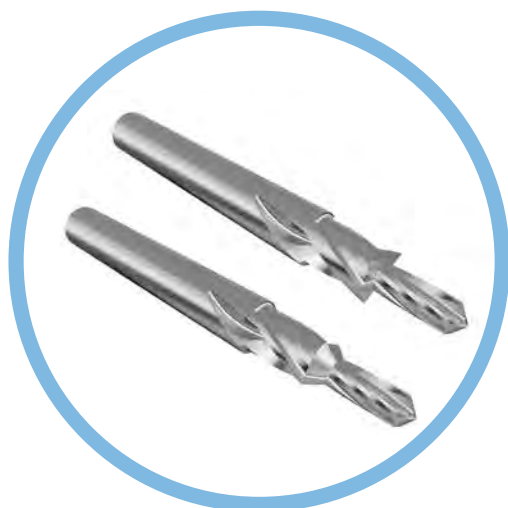


Articolo Article/Artículo	Ø	L U	L S	LT	Att. Ø Ø Shaft/Ø Eje
PA044/08A1	8	15	45	80	8
PA044/08B1	8	20	60	100	8
PA044/08C1	8	20	75	100	8
PA044/08D1	8	22	40	80	8
PA044/08E1	8	27	40	80	8
PA044/08F1	8	27	60	100	8
PA044/10A1	10	20	75	100	10
PA044/10B1	10	25	60	100	10
PA044/10C1	10	25	95	120	10
PA044/12A1	12	35	60	100	12
PA044/12B1	12	35	75	100	12
PA044/12C1	12	35	80	120	12
PA044/12D1	12	35	95	120	12
PA044/14A1	14	35	60	100	14
PA044/14B1	14	35	75	100	14
PA044/14C1	14	35	80	120	14
PA044/14D1	14	35	95	120	14

* si esegue rivestimento per alluminio
Aluminium-coating available
Está hecho de recubrimiento de aluminio

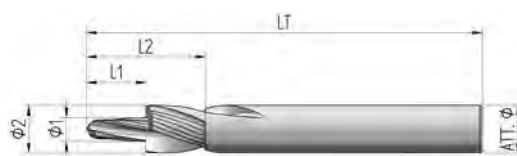
PA045

- 🇮🇹 **Punte elicoidali in hm micrograna Z=2 a doppio diametro per esecuzione fori lamati e fissaggio pannelli in **ALLUMINIO** con viti**
- 🇬🇧 **Double diameter HW MICROGRAIN Helicoidal drill bit Z=2 for the execution of laminated holes and fixing of aluminium panels with screws.**
- 🇪🇸 **Brocas helicoidales Z=2 en HW MICROGRANO para la ejecución de agujeros laminados y fijación de paneles de aluminio con tornillos.**



A

fori svasati



B

fori lamati

Articolo Article/Artículo	Ø1	Ø2	L1	L2	LT	S	Att. Ø Ø Shaft/Ø Eje
PA045A							
PA045B							

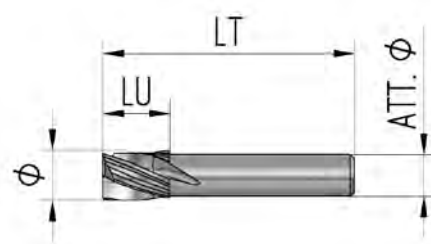
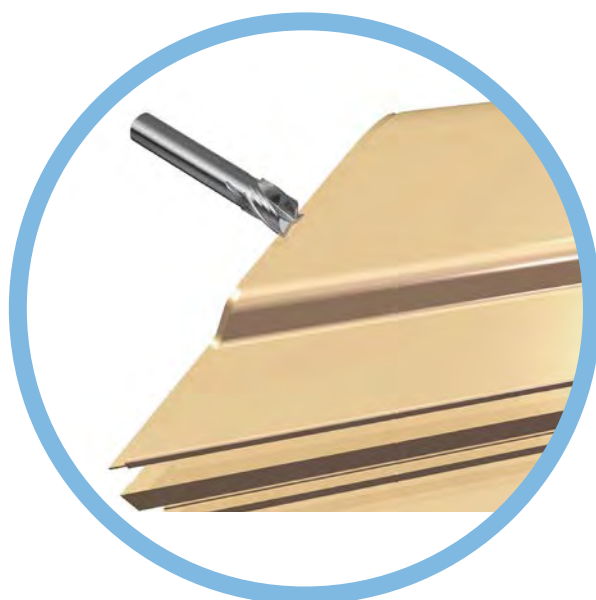
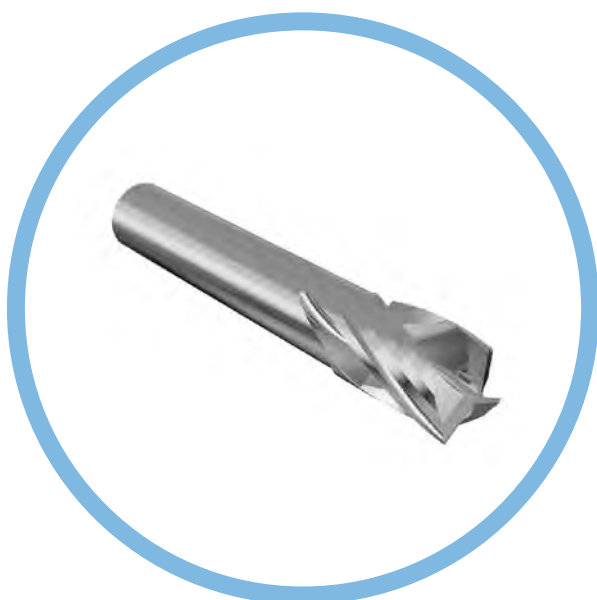
UTENSILI REALIZZATI SU RICHIESTA – COMPILARE TUTTE LE QUOTE INDICATE E DEFINIRE SE SERVE LA FIGURA A OPPURE B

Tools made on request – fill in all the quotes indicated and specify if you need the figure A or B.

Herramientas hechas a pedido – llene todas las cuotas indicadas y define si necesita la figura A o B.

PV049

- 🇮🇹 Frese con rompitruciolo per scavo bassofondo su **PVC/ALLUMINIO** per macchine GRAF SYNERGY
- 🇬🇧 Milling cutters with chip breaker for hollow bottom end on PVC/ALU for GRAF SYNERGY machines
- 🇪🇸 Fresas con rompe viruta para premecanizado cámaras en PVC/ALU para máquina GRAF SYNERGY

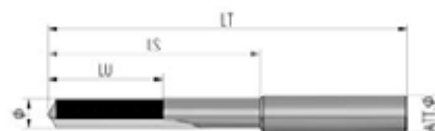
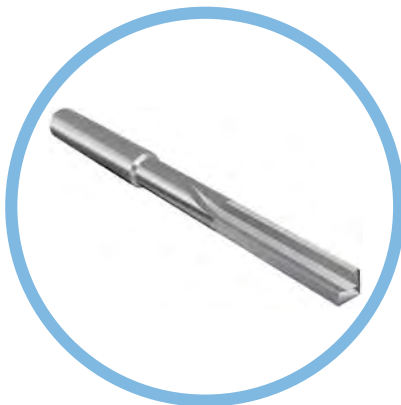
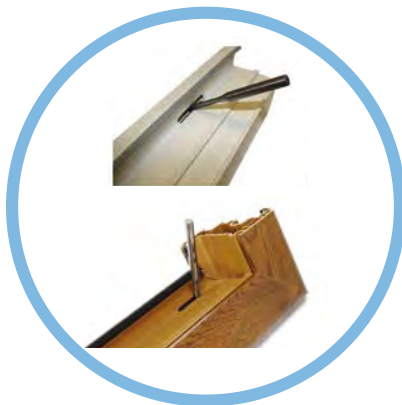


Articolo Article Artículo	Ø	LU	LT	Att. Ø Schaft Ø Ø Eje	Z=	Materiale da lavorare Material to work Material para trabajar
PV049/06-1DX	6	8	30	5 DX	1PCD	FIBERGLASS
PV049/06-1SX	6	8	30	5 SX	1PCD	FIBERGLASS
PV049/06-2DX	6	8	30	5 DX	2HM	ALLUMINIO
PV049/06-2SX	6	8	30	5 SX	2HM	ALLUMINIO
PV049/06-3DX	6	8	30	5 DX	3HM	PVC
PV049/06-3SX	6	8	30	5 SX	3HM	PVC

* In diamante
PCD milling cutter / Fresa en diamante

PV050

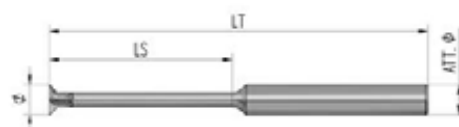
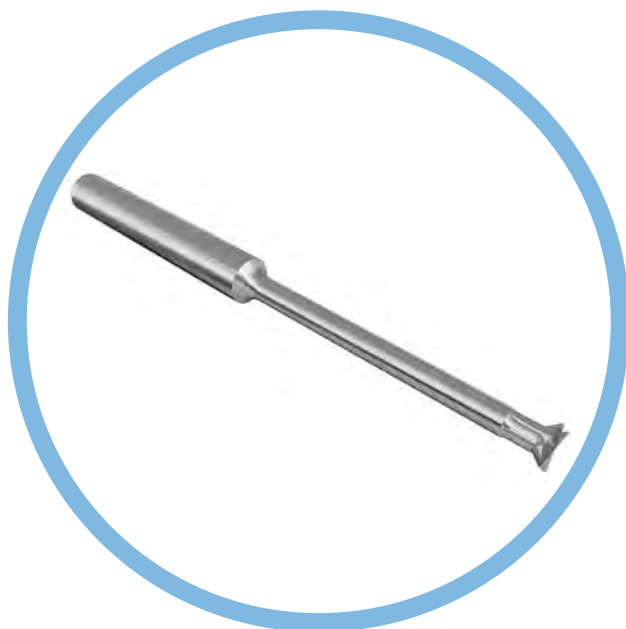
- 🇮🇹 Frese elicoidali in HW integrale Z=2 silenziate (rumorosità ridotta) per eseguire drenaggi su **PVC**
- 🇬🇧 Helicoidal cutters in basis HW Z=2 (low noise) to drain PVC
- 🇪🇸 Fresas helicoidales en HW integral Z=2 silenciadas (bajo ruido) para drenajes en el PVC



Articolo Article/Artículo	Ø	LU	LS	LT	Att. Ø Ø Shaft/Ø Eje
PV050/04B1	4	30	40	90	6
PV050/05B1	5	25	25	80	6
PV050/05C1	5	30	30	80	6
PV050/05D1	5	25	25	70	8
PV050/05E1	5	30	30	70	8
PV050/05F1	5	25	30	80	8
PV050/05G1	5	25	40	80	8
PV050/05H1	5	30	30	80	8
PV050/05I1	5	35	40	80	8
PV050/05L1	5	35	45	90	8
PV050/05M1	5	45	45	90	8
PV050/05N1	5	45	60	90	8
PV050/05O1	5	25	30	100	8
PV050/05P1	5	30	30	100	8
PV050/05Q1	5	35	40	100	8
PV050/05R1	5	45	45	100	8
PV050/06B1	6	40	45	100	8
PV050/08B1	8	30	30	100	8
PV050/08C1	8	40	85	125	8
PV050/12B1	12	45	45	90	12
PV050/12C1	12	45	50	100	12

PV051

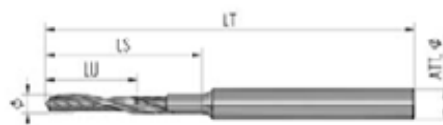
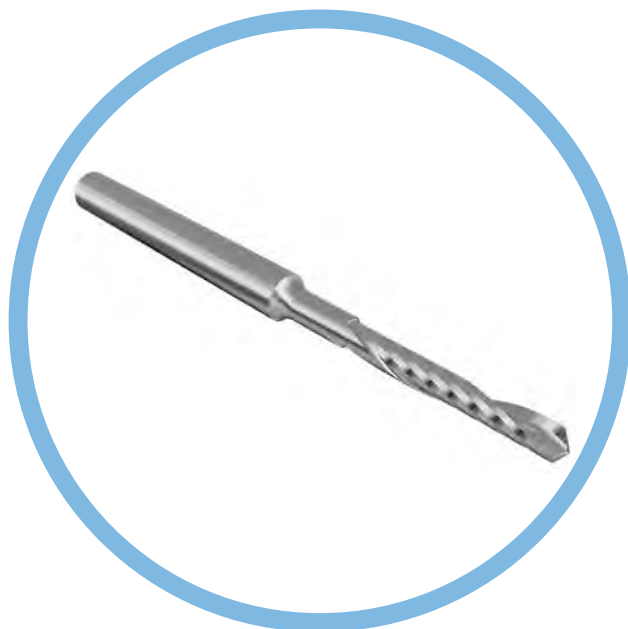
- 🇮🇹 Frese in HW integrale a coda di rondine Z=4 per la pulitura della cava della guarnizione di profili in **PVC** su macchine pulitrici
- 🇬🇧 Cutters in basis HW Z=4 to clean the seal on PVC cleaning machines
- 🇪🇸 Fresas en widia Z=4 para limpiar el fresado herraje de los perfiles en PVC en maquinas de limpieza



Articolo Article/Articulo	Ø	LS	LT	Att. Ø Ø Shaft/Ø Eje
PV051/08A1	8	20	70	8
PV051/08B1	8	20	100	8
PV051/08C1	8	50	100	8
PV051/08D1	8	60	100	8
PV051/08E1	8	20	110	8
PV051/08F1	8	60	150	8
PV051/10A1	10	50	100	10

PV052

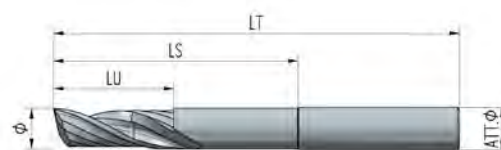
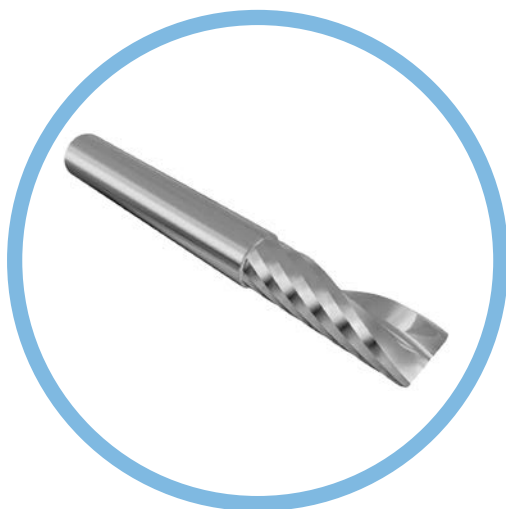
- 🇮🇹 Frese elicoidali in HW integrale Z=1 per **PVC** per uso manuale e su macchine CNC
- 🇬🇧 Helicoidal cutters in basis HW Z=1 for PVC profiles for manual use or for CNC machining centers
- 🇪🇸 Fresas helicoidales en HW integral Z=1 para perfiles de PVC para uso manual y para centros de trabajo



Articolo Article/Artículo	Ø	LU	LS	LT	Att. Ø Ø Shaft/Ø Eje	
PV052/05A1	5	25	44	100	5	
PV052/05B1	5	15	32	80	8	
PV052/05C1	5	25	44	100	8	7B6.017/8B7105789
PV052/05D1	5	25	44	110	8	
PV052/05E1	5	25	44	130	8	
PV052/05F1	5	25	44	145	8	7B3.104/8B7105843

PV053

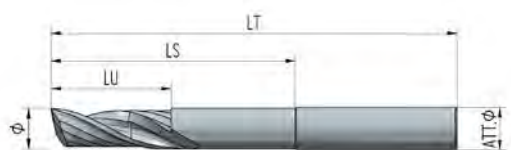
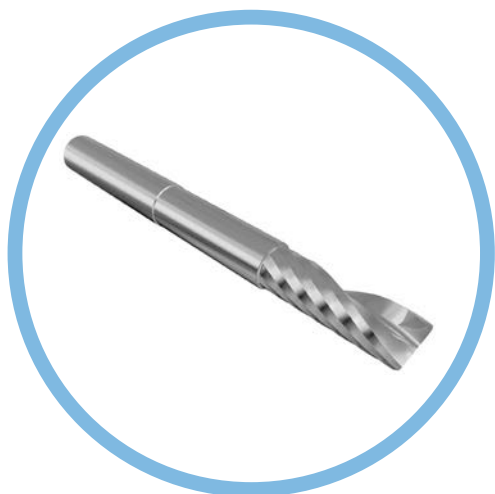
- 🇮🇹 Frese elicoidali in hw micrograna Z=1 serie corta per lavorare **PVC** su macchine CNC
- 🇬🇧 "Helicoidal cutters Z=1 in HW MICROGRAIN short version for processing PVC on CNC machining centers"
- 🇪🇸 "Fresas helicoidales Z=1 en HW MICRO serie corta para trabajar PVC para centro de trabajos"



Articolo Article/Artículo	Ø	LU	LS	LT	Att. Ø Ø Shaft / Ø Eje
PV053/03B1	3	12	50		6
PV053/04B1	4	15	50		6
PV053/04C1	4	25	70		6
PV053/05B1	5	20	60		6
PV053/05C1	5	30	70		6
PV053/05D1	5	40	80		6
PV053/05E1	5	45	90		6
PV053/06A1	6	15	50		6
PV053/06B1	6	20	60		6
PV053/06C1	6	40	80		6
PV053/08A1	8	20	60		8
PV053/08B1	8	25	75		8
PV053/10A1	10	25	75		10
PV053/12A1	12	45	85		12

PV054

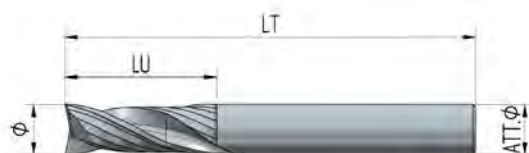
- 🇮🇹 Frese elicoidali in hw micrograna Z=1 serie lunga per lavorare **PVC** su macchine CNC
- 🇬🇧 "Helicoidal cutters Z=1 in HW MICROGRAIN long version for processing PVC on CNC machining centers"
- 🇪🇸 "Fresas helicoidales Z=1 en HW MICRO serie larga para trabajar PVC para centro de trabajos"



Articolo Article/Articulo	Ø	LU	LS	LT	Att. Ø Ø Shaft/Ø Eje
PV054/05B1	5	15	30	70	8
PV054/05C1	5	15	35	80	8
PV054/05D1	5	25	45	90	8
PV054/05E1	5	20	60	100	8
PV054/05F1	5	30	50	100	8
PV054/05G1	5	25	50	110	8
PV054/06B1	6	20	60	100	8
PV054/08A1	8	20	50	90	8
PV054/08B1	8	20	60	100	8
PV054/10A1	10	25	60	100	10
PV054/10B1	10	25	80	120	10
PV054/12A1	12	35	60	100	12
PV054/12B1	12	35	80	120	12
PV054/14A1	14	35	60	100	14
PV054/14B1	14	35	80	120	14

PV055

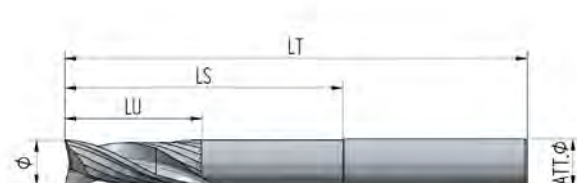
- 🇮🇹 Frese elicoidali in hw micrograna Z=2 serie corta per lavorare **PVC** su macchine CNC
- 🇬🇧 "Helicoidal cutters Z=2 in HW MICROGRAIN short version for processing PVC on CNC machining centers"
- 🇪🇸 "Fresas helicoidales Z=2 en HW MICRO serie corta para trabajar PVC para centro de trabajos"



Articolo Article/Articulo	Ø	LU	LT	Att. Ø Ø Shaft/Ø Eje
PV055/05B1	5	20	60	6
PV055/06A1	6	20	60	6
PV055/06B1	6	15	75	6
PV055/06C1	6	35	85	6
PV055/06F1	6	50	100	6
PV055/08A1	8	20	75	8
PV055/08B1	8	50	100	8
PV055/10A1	10	25	75	10

PV056

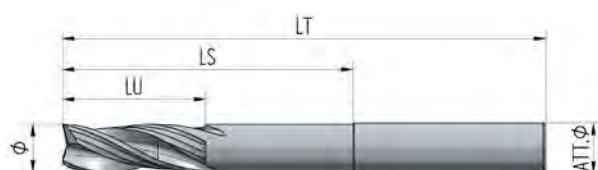
- 🇮🇹 Frese elicoidali in hw micrograna Z=2 serie lunga per lavorare **PVC** su macchine CNC
- 🇬🇧 "Helicoidal cutters Z=2 in HW MICROGRAIN long version for processing PVC on CNC machining centers"
- 🇪🇸 "Fresas helicoidales Z=2 en HW MICRO serie larga para trabajar PVC para centro de trabajos"



Articolo Article/Articulo	Ø	LU	LS	LT	Att. Ø Ø Shaft/Ø Eje
PV056/05B1	5	16	35	80	8
PV056/05C1	5	30	60	100	8
PV056/06B1	6	15	30	75	8
PV056/06C1	6	25	45	90	8
PV056/06D1	6	15	50	100	8
PV056/06E1	6	30	60	100	8
PV056/08A1	8	20	75	100	8
PV056/10A1	10	25	75	100	10
PV056/12A1	12	35	75	100	12
PV056/12B1	12	35	95	120	12
PV056/14A1	14	35	75	100	14
PV056/14B1	14	35	95	120	14

PP060

- 🇮🇹 Frese elicoidali in hw micrograna Z=3 per lavorare **PVC** e **ALLUMINIO** su macchine CNC
- 🇬🇧 "Helicoidal cutters Z=3 in HW MICROGRAIN for processing aluminium and PVC on CNC machining centers"
- 🇪🇸 "Fresas helicoidales Z=3 en HW MICRO para trabajar aluminio y PVC para centro de trabajos"



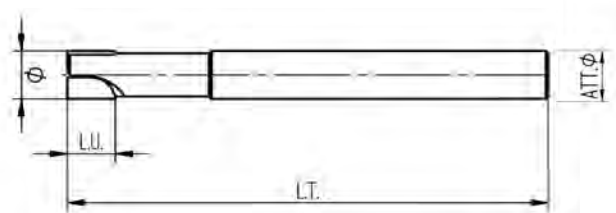
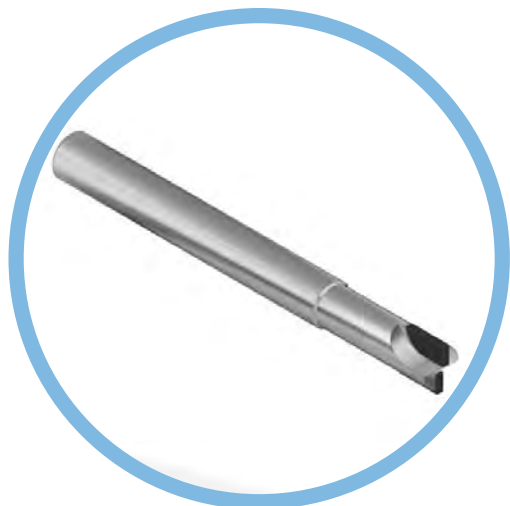
Articolo Article/Articulo	Ø	LU	LS	LT	Att. Ø Ø Shaft / Ø Eje
PP060/06A1	6	20	20	60	6
PP060/08A1	8	25	30	75	8
PP060/10A1	10	30	30	75	10
PP060/12A1	12	40	55	100	12
PP060/16A1	16	30	30	90	16
PP060/16B1	16	35	60	100	16
PP060/16C1	16	35	75	110	16
PP060/16D1	16	35	90	130	16

8P.1001

🇮🇹 **Fresa in PCD con corpo in HM per la lavorazione a secco di profili in ALLUMINIO**

🇬🇧 **PCD Router cutter with HM body for dry working of aluminium profiles**

🇪🇸 **Fresa PCD con cuerpo HM para trabajar en seco perfiles de aluminio**



Articolo Article/Artículo	Ø	LU	LT	ATT. Ø	Z
8P.1001-6X8Z1	6	8	80	6	1
8P.1001-7X8Z1	7	8	80	8	1
8P.1001-8X8Z1	8	8	80	8	1
8P.1001-8X8Z2	8	8	80	8	2
8P.1001-10X10Z1	10	10	80	10	1
8P.1001-10X10Z2	10	10	80	10	2
8P.1001-10X15Z2	10	15	80	10	2
8P.1001-12X10Z1	12	10	80	12	1
8P.1001-12X10Z2	12	10	80	12	2
8P.1001-12X15Z2	12	15	80	12	2

PARAMETRI DI LAVORO INDICATIVI

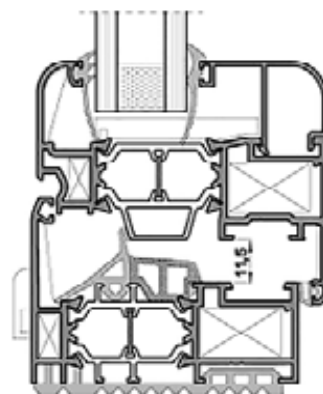
Indicative working parameters / Parámetros de trabajo indicativos

Ø	RPM	Avanzamento / Feed mm/dente - mm/min	
6	18.000	0.18	- 3240
8	18.000	0.20	- 7200
10	18.000	0.23	- 8280
12	18.000	0.25	- 9000

Fresa in diamante policristallino saldobrasato su corpo in HM per lavorazione di foratura e fresatura a secco su profilati di alluminio per il settore del serramento, una combinazione vincente per avere il massimo delle prestazioni con la massima qualità e durata!!!

PCD router cutter with HM body for dry drilling and milling on aluminium profiles for the door and window sector, a winning combination for high performance and durability!!!

Cortador de enrutador PCD con cuerpo HM para taladrado en seco y fresado en perfiles de aluminio para el sector de puertas y ventanas, una combinación ganadora para un alto rendimiento y durabilidad.

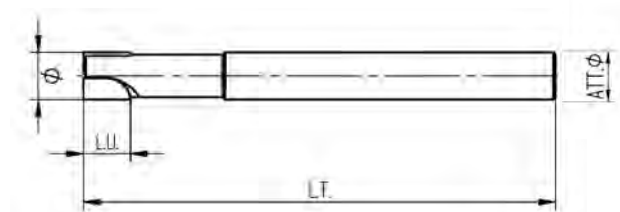
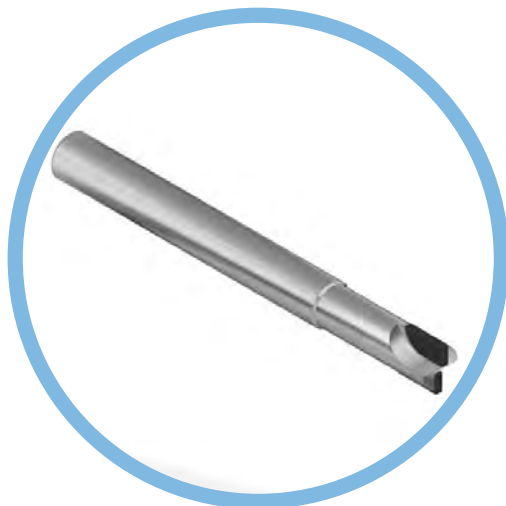


8P.1002

🇮🇹 **Fresa in PCD con corpo in HM per la lavorazione a secco di profili in ALLUMINIO**

🇬🇧 **PCD Router cutter with HM body for dry working of aluminium profiles**

🇪🇸 **Fresa PCD con cuerpo HM para trabajar en seco perfiles de aluminio**



Articolo Article/Artículo	Ø	LU	LT	ATT. Ø	Z
8P.1002-8X8Z1	8	8	100	8	1
8P.1002-8X8Z2	8	8	100	8	2
8P.1002-10X10Z1	10	10	100	10	1
8P.1002-10X10Z2	10	10	100	10	2
8P.1002-10X15Z2	10	15	100	10	2
8P.1002-12X10Z1	12	10	100	12	1
8P.1002-12X10Z2	12	10	100	12	2
8P.1002-12X15Z2	12	15	100	12	2
-	-	-	-	-	-
-	-	-	-	-	-

PARAMETRI DI LAVORO INDICATIVI

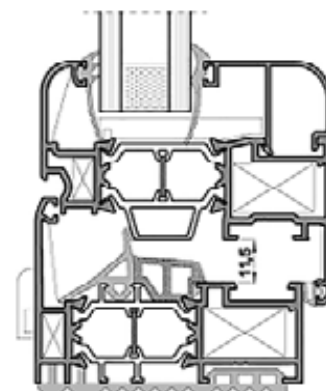
Indicative working parameters / Parámetros de trabajo indicativos

Ø	RPM	Avanzamento / Feed mm/dente - mm/min	
8	18.000	0.20	7200
10	18.000	0.23	8280
12	18.000	0.25	9000
-	-	-	-

Fresa in diamante policristallino saldobrasato su corpo in HM per lavorazione di foratura e fresatura a secco su profilati di alluminio per il settore del serramento, una combinazione vincente per avere il massimo delle prestazioni con la massima qualità e durata!!!

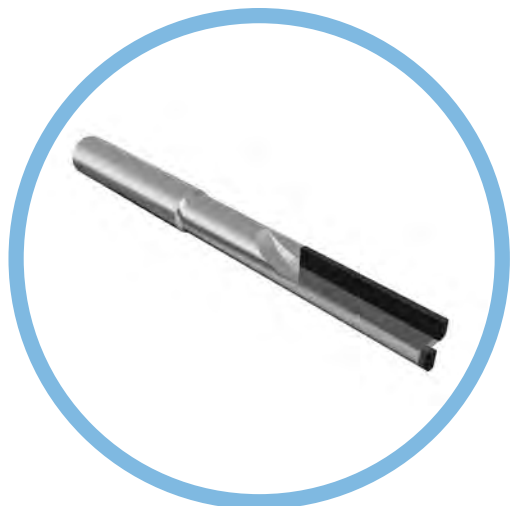
PCD router cutter with HM body for dry drilling and milling on aluminium profiles for the door and window sector, a winning combination for high performance and durability!!!

Cortador de enrutador PCD con cuerpo HM para taladrado en seco y fresado en perfiles de aluminio para el sector de puertas y ventanas, una combinación ganadora para un alto rendimiento y durabilidad.



8P.2001

- 🇮🇹 Frese in DIAMANTE per lavorare **PVC** e fibra di vetro Z=2
- 🇬🇧 PCD milling cutters to process **PVC** and fiberglass Z=2
- 🇪🇸 Fresas en diamante para pvc y ibra de vidrio Z=2



Articolo Article/Artículo	Ø	LU	LT	Z
8P.2001-8X30Z2	8	30	80	2
8P.2001-10X30Z2	10	30	80	2

PARAMETRI DI LAVORO INDICATIVI

Indicative working parameters / Parámetros de trabajo indicativos

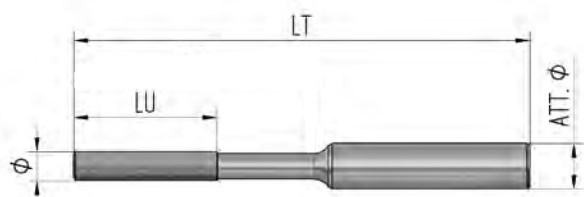
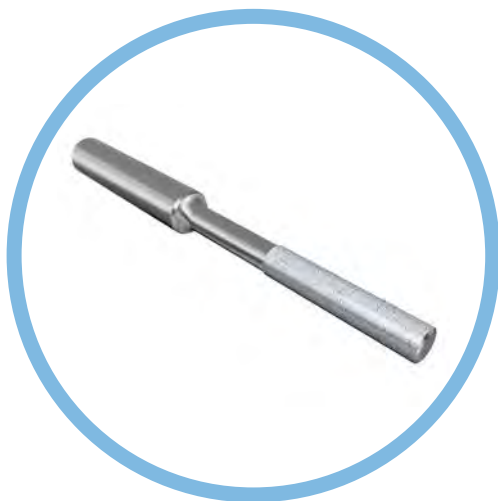
Ø	RPM	Avanzamento / Feed mm/dente - mm/min	
8	18.000	0.20	- 7200
10	18.000	0.23	- 8280

8P.2002

🇮🇹 Frese in HM con diamante elettrodepositato

🇬🇧 FHW milling cutters with electroplated diamond

🇪🇸 Fresas en HM y diamante electrodepositado



Articolo
Article/Artículo

Ø

LU
NL

LT
GL

Att. Ø
Ø Shaft/Ø Eje

8P.2002-5X25

5,0

25,0

80,0

8,0



ALUC



Utensili per la lavorazione di pannelli sandwich in Alluminio-Alucobond su macchine CNC

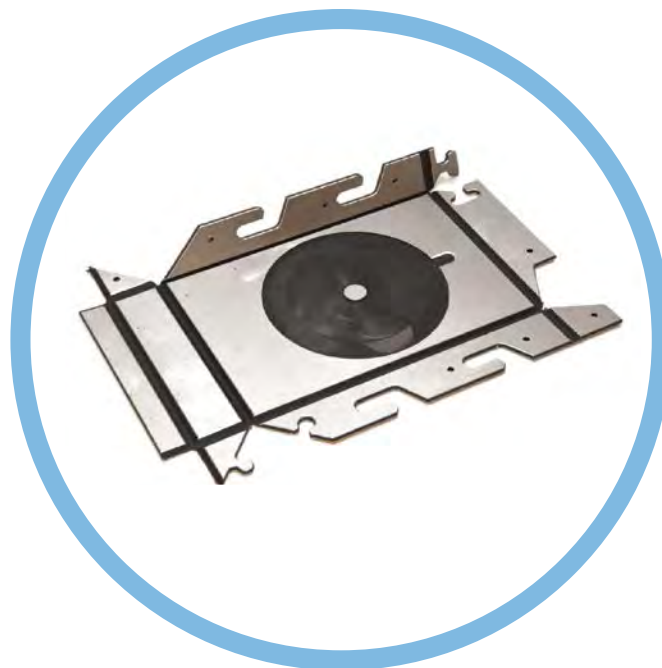
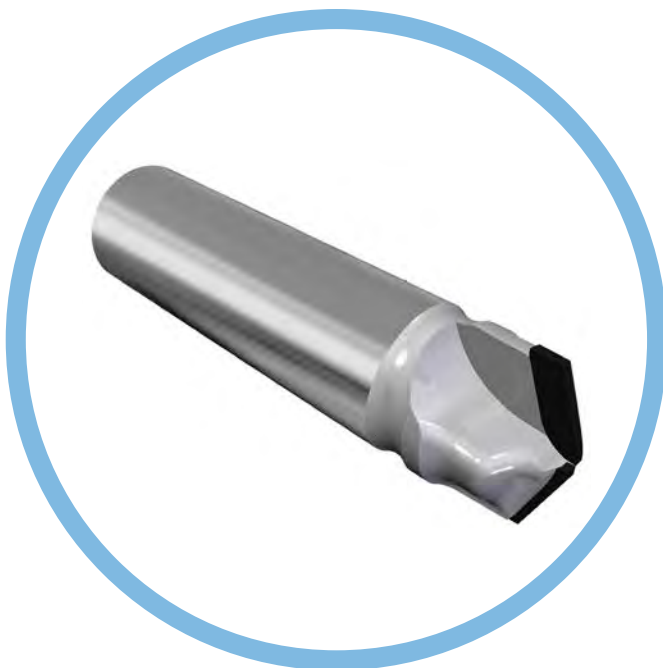
Tools for processing sandwich panels in aluminium-alucobond on CNC machines

Herramientas para procesar paneles sándwich de aluminio-alucobond en máquinas CNC



8P.3001

- 🇮🇹 Frese in DIAMANTE per incisioni per la lavorazione di pannelli sandwich in alluminio (ALUCOBOND-DIBOND-ALPOLIC-LARSON-REYNOBOND-ALUBOND-ALBOND-TRESPA-STACBOND ecc) su macchine CNC
- 🇬🇧 DIAMOND cutters to work aluminium sandwich pannels (ALUCOBOND-DIBOND-ALPOLIC-LARSON-REYNOBOND-ALUBOND-ALBOND-TRESPA-STACBOND etc) on CNC machining centers
- 🇪🇸 Fresas en DIAMANTE para incisiones por el trabajo de paneles sandwich en aluminio (ALUCOBOND-DIBOND-ALPOLIC-LARSON-REYNOBOND-ALUBOND-ALBOND-TRESPA-STACBOND etc) para centros de trabajo



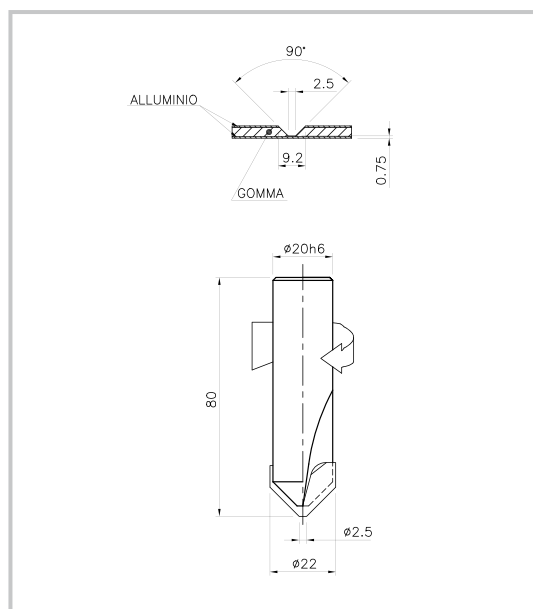
Articolo Article/Artículo	Angolo in ° Angle °/Angulo en °	Z=
8P.3001-030	30°	2
8P.3001/090	90°	2
8P.3001/135	135°	2

0.53

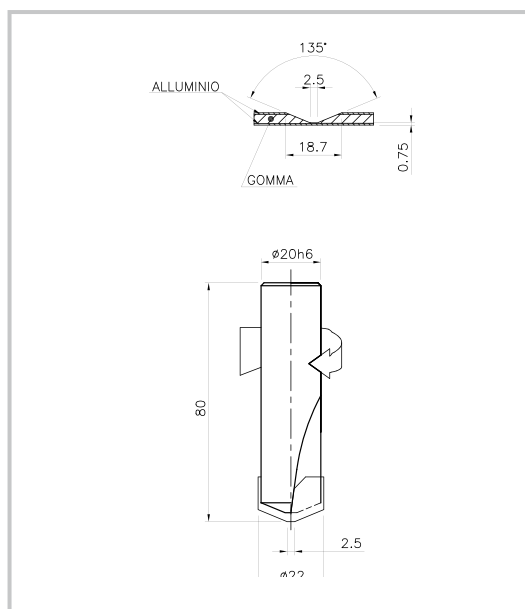
- 🇮🇹 **Punte in HM sagomate Z=2**
- 🇬🇧 **Profiled HW router bits Z=2**
- 🇪🇸 **Fresas en HM moldeado Z=2**



0.53/01



0.53/02



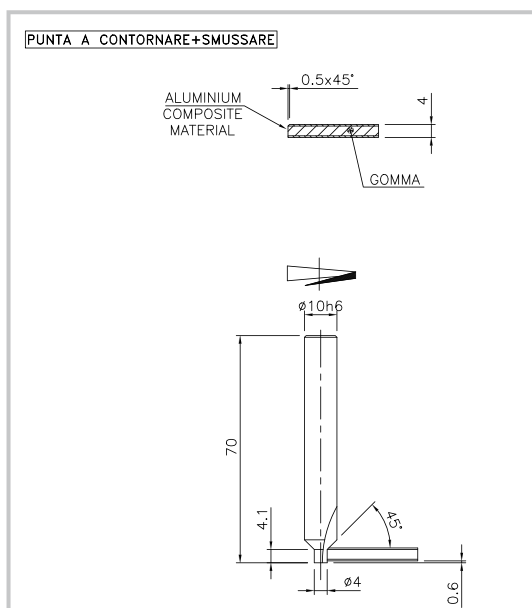
Articolo Article/Artículo	Ø	Att. Ø Ø Shaft/Ø Eje	Angolo in ° Angle °/Angulo en °
0.53/01	22x80	20	90°
0.53/02	22x80	20	135°

0.54

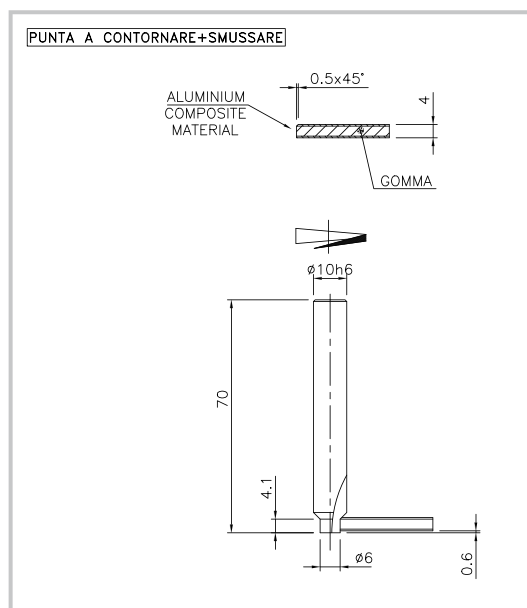
- 🇮🇹 **Punte in HM sagomate Z=2**
- 🇬🇧 **Profiled HW router bits Z=2**
- 🇪🇸 **Fresas en HM moldeado Z=2**



0.54/01



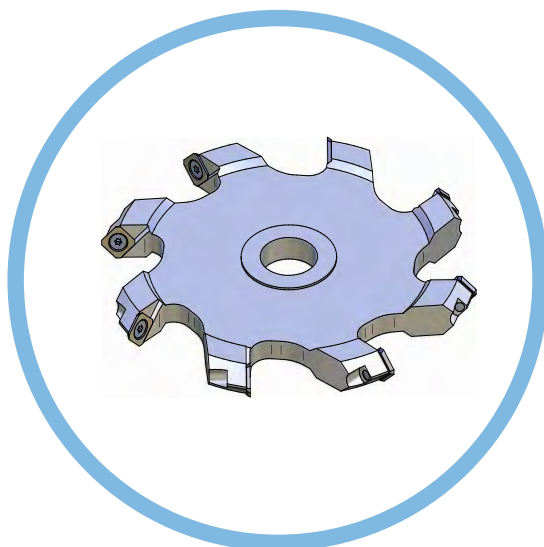
0.54/02



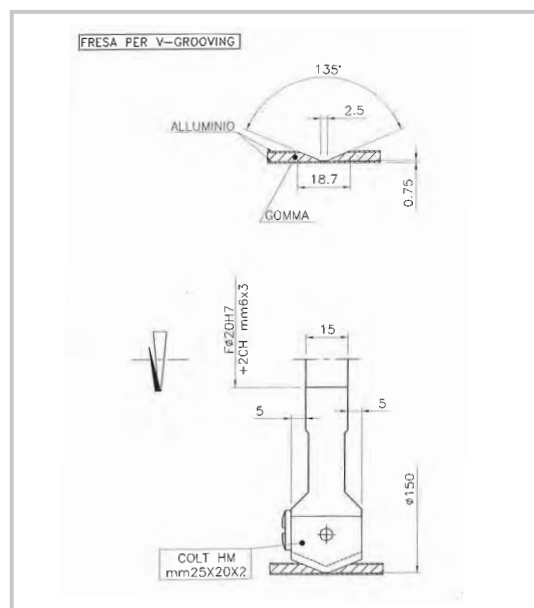
Articolo Article/Articulo	Ø	Att. Ø Ø Shaft/Ø Eje	
0.54/01	4x70	10	
0.54/02	6x70	10	
0.54/03 DIA	6x70	10	Z=1

0.55

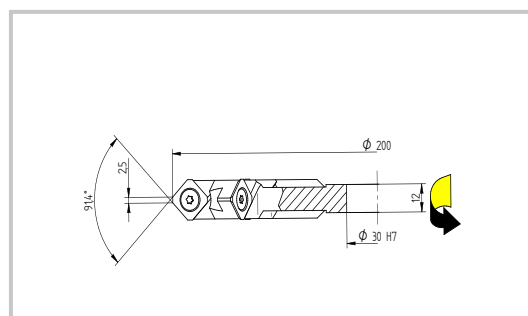
- 🇮🇹 Teste portacoltelli sagomate
- 🇬🇧 *Profiled cutterheads*
- 🇪🇸 Cabezas de corte moldeado



0.55/01



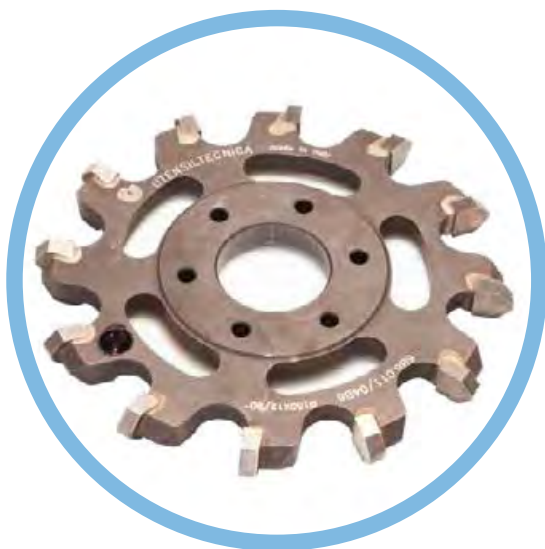
0.55/02



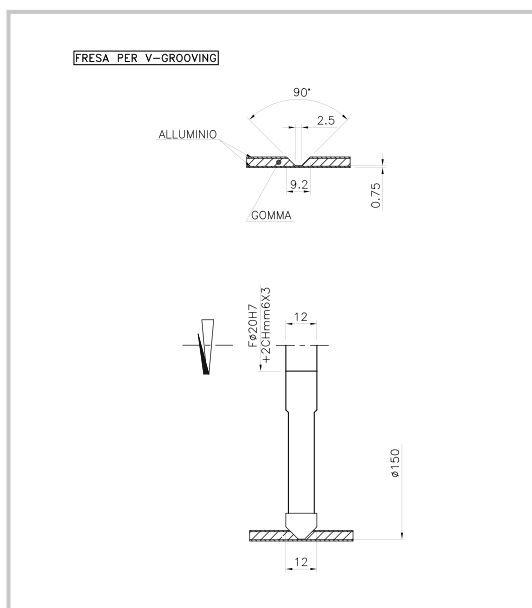
Articolo Article/Artículo	Ø	F Ø	Z	Angolo in ° Angle °/Angulo en °
0.55/01	150x22	20	12	135°
0.55/02	200	20	8	91,4

0.56

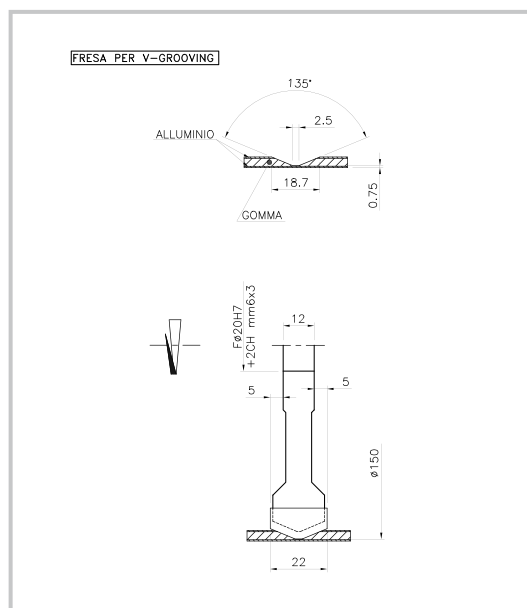
- 🇮🇹 Frese HM/DIA sagomate
- 🇬🇧 Profiled HW/PCD milling cutters
- 🇪🇸 Fresas en HM/DIAMANTE moldeado



0.56/01



0.56/02



Articolo Article/Articulo	Ø	F Ø	Z	Angolo in ° Angle °/Angulo en °
0.56/01 HM	150x12	20	12	90°
0.56/02 HM	150x22	20	12	135°
0.56/01 DIA	150x12	20	12	90°
0.56/02 DIA	150x22	20	12	135°

0.57 / 01

- 🇮🇹 Punta in HM ripasso Z=2
- 🇬🇧 HW router bit revised Z=2
- 🇪🇸 Fresas en HM para repaso

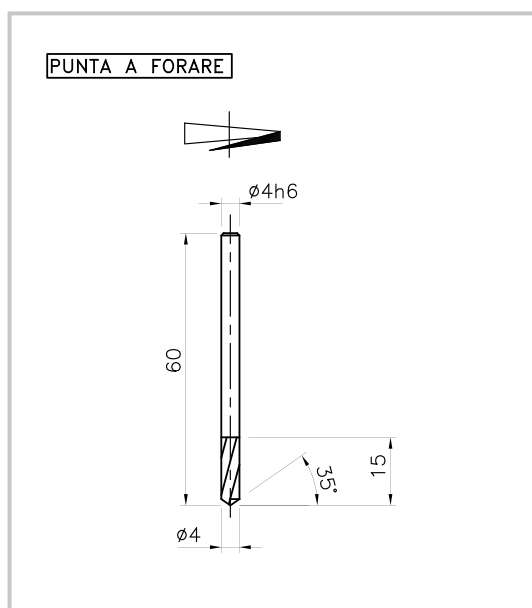


Articolo Article/Artículo	Ø	Att. Ø Ø Shaft/Ø Eje
0.57/01	10x60	10

0.57 / 02

- 🇮🇹 Punta in HM ripasso Z=2
- 🇬🇧 HW router bit revised Z=2
- 🇪🇸 Fresas en HM para repaso

0.57/01



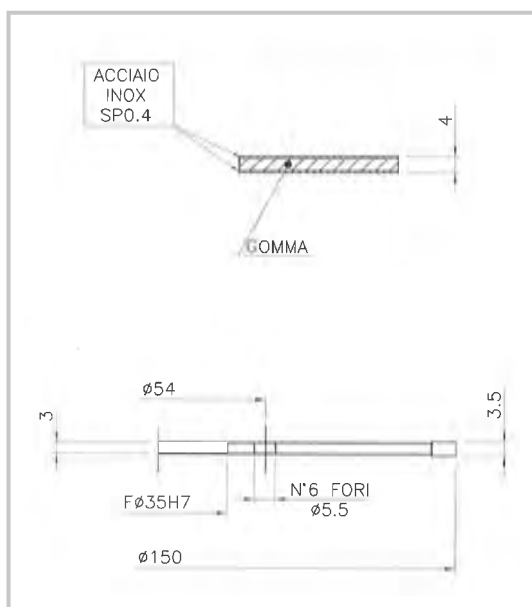
Articolo Article/Artículo	Ø	Att. Ø Ø Shaft/Ø Eje
0.57/02	4x15x60	4

0.60

- 🇮🇹 **Lame in HM per taglio**
- 🇬🇧 **HW blades for cutting**
- 🇪🇸 **Discos en HW por el corte**



0.60/01



Articolo Article/Articulo	Ø	SP Thickness/Espesor	Ø Foro Hole Ø/Ø Taladro	Z
0.60/01	150	3.5	30/32/35	24
0.60/02	150	4.0	30/32/35	30



LAME

Lame in diamante e hm per alluminio e pvc

Pcd and hw (solid carbide) saw blades
for aluminum/pvc

Discos en diamante y hw (widia)
para aluminio/pvc



8L.1001

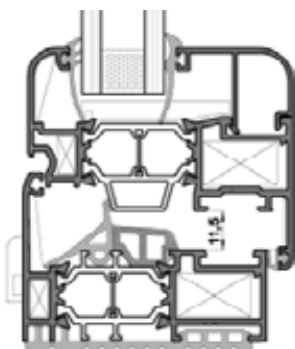
🇮🇹 **Lama in PCD per troncatrici per la lavorazione di profili in ALLUMINIO (H=6)**

🇬🇧 **PCD saw blade forcutting machine for working of ALUMINIUM profiles (H=6)**

🇪🇸 **Discos en PCD para tronzadoras, para trabajar perfiles de ALUMINIO (H=6)**



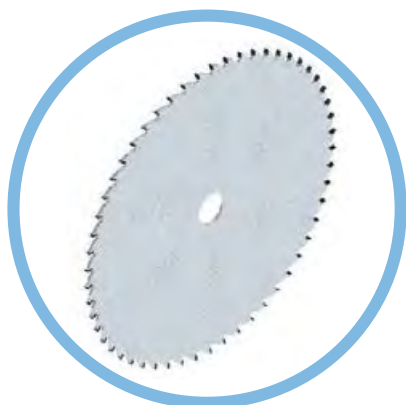
Articolo Article/Artículo	Ø	Spessore Thickness/Espesor	Z
8L.1001-400X4.0Z84	400	4.0	84
8L.1001-400X4.4Z84	400	4.4	84
8L.1001-400X4.0Z96	400	4.0	96
8L.1001-400X4.4Z96	400	4.4	96
8L.1001-450X4.0Z96	450	4.0	96
8L.1001-450X4.4Z96	450	4.4	96
8L.1001-450X4.0Z108	450	4.0	108
8L.1001-450X4.4Z108	450	4.4	108
8L.1001-500X4.0Z120	500	4.0	120
8L.1001-500X4.4Z120	500	4.4	120
8L.1001-500X4.0Z132	500	4.0	132
8L.1001-500X4.4Z132	500	4.4	132
8L.1001-550X4.0Z120	550	4.0	120
8L.1001-550X4.4Z120	550	4.4	120
8L.1001-550X4.0Z138	550	4.0	138
8L.1001-550X4.4Z138	550	4.4	138
8L.1001-600X4.0Z132	600	4.0	132
8L.1001-600X4.4Z132	600	4.4	132
8L.1001-600X4.0Z140	600	4.0	140
8L.1001-600X4.4Z140	600	4.4	140
8L.1001-650X4.4Z140	650	4.4	140
8L.1001-650X4.8Z140	650	4.8	140



Lama in diamante policristallino per la lavorazione di taglio a secco su profilati di alluminio per il settore del serramento, massime prestazioni, qualità e durata!!!
 PCD saw blade for dry cutting processing on aluminium profiles for the door and window sector, high performance, quality and durability!!!
 Disco de diamante policristalino para mecanizado de corte en seco en perfiles de aluminio para el sector de ventanas, máximo rendimiento, calidad y durabilidad.

8L.2001

- 🇮🇹 Lama in PCD per troncatrici per la lavorazione di profili in **PVC (H=4)**
- 🇬🇧 PCD saw blade for cutting machine for working of PVC profiles (H=4)
- 🇪🇸 Discos en PCD para tronzadoras, para trabajar perfiles de PVC (H=4)



Articolo Article/Artículo	Ø	Spessore Thickness/Espesor	Z
8L.2001-400X4.0Z84	400	4.0	84
8L.2001-400X4.4Z84	400	4.4	84
8L.2001-400X4.0Z96	400	4.0	96
8L.2001-400X4.4Z96	400	4.4	96
8L.2001-450X4.0Z96	450	4.0	96
8L.2001-450X4.4Z96	450	4.4	96
8L.2001-450X4.0Z108	450	4.0	108
8L.2001-450X4.4Z108	450	4.4	108
8L.2001-500X4.0Z120	500	4.0	120
8L.2001-500X4.4Z120	500	4.4	120
8L.2001-500X4.0Z132	500	4.0	132
8L.2001-500X4.4Z132	500	4.4	132
8L.2001-550X4.0Z120	550	4.0	120
8L.2001-550X4.4Z120	550	4.4	120
8L.2001-550X4.0Z138	550	4.0	138
8L.2001-550X4.4Z138	550	4.4	138
8L.2001-600X4.0Z132	600	4.0	132
8L.2001-600X4.4Z132	600	4.4	132
8L.2001-600X4.0Z140	600	4.0	140
8L.2001-600X4.4Z140	600	4.4	140
8L.2001-650X4.4Z140	650	4.4	140
8L.2001-650X4.8Z140	650	4.8	140



9.60

-  **Lame per troncatrici per il taglio di profili in **PVC CON GUARNIZIONI**.**
-  **Blades for cutting off machines to cut PVC profiles with seals.**
-  **Discos para tronzadoras por el corte de perfiles en PVC con goma.**



Articolo Article/Artículo	Ø	SP Thickness/Espesor	Ø Foro Hole Ø/Ø Taladro	Z
9.60/350X84	350	3,2	30/32	84
9.60/450X110	450	3,2	30/32	110
9.60/450X120	450	4	30/32	120
9.60/500X120A	500	3,2	30/32	120
9.60/500X120G	500	3,2	30/32	120
9.60/500X120C	500	4	30/32	120
9.60/500X140	500	4	30/32	140
9.60/500X140A	500	3,2	30/32	140
9.60/550X120	550	3,6	30/32	120
9.60/550X135	550	4	30/32	135
9.60/550X150	550	4,2	30/32	150
9.60/550X160	550	4,4	30/32	160
9.60/550X172	550	4,2	30/32	172

DATI MACCHINE MECAL

SW453	500		30	
SW451	500		30	
SW550	550		30	
SW553	550		30	
DVNE 5	550		30	
TDC622	600		32 EDGEMANESTER 5AX	
TDC622	600		32 DYNACAT 3AX	

9.61

- 🇮🇹 **Lame per troncatrici in HW per il taglio di profili in **PVC/ALLUMINIO** a buona finitura**
- 🇬🇧 **HW blades for cutting off machines to cut PVC and aluminium profile with good finishing**
- 🇪🇸 **Discos en HW para tronadoras por el corte de perfiles en PVC y aluminio con buen acabado**



Articolo Article/Artículo	Ø	SP Thickness/Espesor	Ø Foro Hole Ø/Ø Taladro	Z
9.61/150x48	150	3,2	20/30	48
9.61/160x48	160	3,2	20/30	48
9.61/180x40	180	3,2	20/30	40
9.61/180x56	180	3,2	20/30	56
9.61/200x48	200	3,2	30/32	48
9.61/200x64	200	3,2	30/32	64
9.61/225x72	225	3,2	30/32	72
9.61/250x60	250	3,2	20/32	60
9.61/250x80	250	3,2	20/32	80
9.61/275x84	275	3,2	30/32	84
9.61/300x72	300	3,2	30/32	72
9.61/300x84	300	3,2	32	84
9.61/300x96	300	3,2	20/32	96
9.61/330x80	330	3,5	20/32	80
9.61/330x100	330	3,5	20/32	100
9.61/350x84	350	3,5	30/32	84
9.61/350x96	350	3,5	32	96
9.61/350x108	350	3,5	20/32	108
9.61/370x108	370	3,8	32/40	108
9.61/400x96	400	3,8	32/40	96
9.61/400x108	400	3,8	32/40	108
9.61/420x96	420	3,8	32/40	96
9.61/450x108	450	4,0	32/40	108
9.61/500x100	500	4,0	32/40	100
9.61/500x120	500	4,0	32/40	120
9.61/530x120	530	4,0	30+2	120
9.61/530x120S	530	4,2	30+2	120 sil
9.61/550x120	550	4,6	30/32	120
9.61/550X140	550	4,6	30/32	140
9.61/600X120	600	4,6	30/32	120
9.61/600X140	600	4,6	30/32	140
9.61/650X140	650	5	30/32	140
9.61/700X140	700	5	30/32	140

9.62-A

🇮🇹 **Lame in HW per il taglio di fermavetri in PVC su macchine ABCD - ALTECH - GEMMA GROUP - ELUMATEC - GRAF - LGF - MECAL - PERTICI - PROFTEQ**

🇬🇧 **HW blades for PVC "v" cuts on ABCD-ALTECH-GEMMA GROUP-ELUMATEC-GRAF-LGF-MECAL-PERTICI-PROFTEQ**

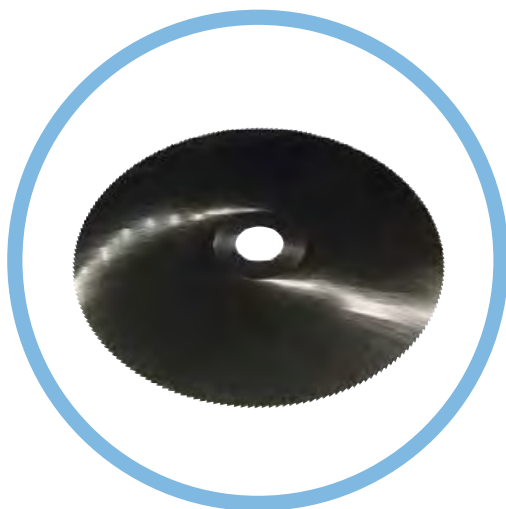
🇪🇸 **Discos en HW para corte de junquillos en PVC con maquinas ABCD-ALTECH-GEMMA GROUP-ELUMATEC-GRAF-LGF-MECAL-PERTICI-PROFTEQ**



Articolo Article/Articulo	Ø	Spessore Thickness/Espesor	Foro Ø Hole Ø/Ø Taladro	Z	Note Notes/Notas
9.62A/098x36	98	3,0	32	36	DX -SX
9.62A/103,4x36	103,4	2,1	25	36	DX -SX
9.62A/103x40	103	2,0	32	40	WEGOMA
9.62A/150x48	150	2,7	30	48	SCHURING
9.62A/155x64	155	3,0	32+1	64 DX-SX	PROFTEQ
9.62A/200x100	200	2,2	32	100	
9.62A/200x100	200	2,5	32	100	WEGOMA/GRAF
9.62A/225x80	225	2,0	25	80	
9.62A/225X100	225	3,0	32	100 neg	GEMMA GROUP/GRAF
9.62A/225x120	225	3	32	120	
9.62A/250x100	250	2,2	32	100	
9.62A/250x108	250	3,2	32	108	PROFTEQ
9.62A/250x128	250	3,0	32	128	PROFTEQ
9.62A/275x080	275	3,2	30	80	
9.62A/275X84	275	3,0	30	84	SCHURING
9.62A/300x100	300	2,3	32	100	

9.62-B

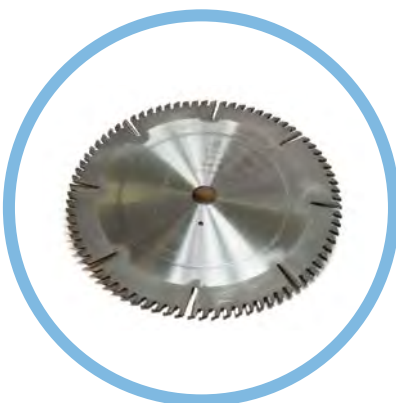
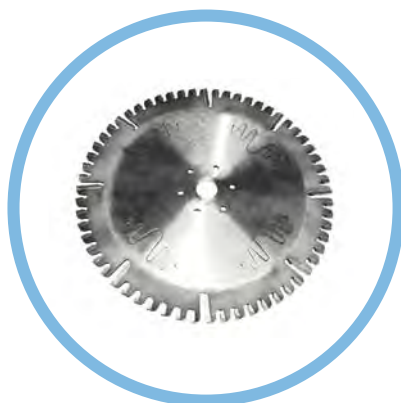
- 🇮🇹 **Lame circolari in hss per taglio di profili su serramenti in **PVC****
- 🇬🇧 **HSS circular saw blades for the profile's cutting on doors and windows in PVC**
- 🇪🇸 **Hojas de sierra en hss por el corte de perfils sobre carpinterias de PVC**



Articolo <i>Article/Articulo</i>	Ø	Spessore <i>Thickness/ Espesor</i>	Foro Ø <i>Hole Ø/Ø Taladro</i>	Z	Note <i>Notes/Notas</i>
9.62B/103.4X060	103,40	2	32	60	DX+--SX
9.62B/200X180	200,00	2	32	180	
9.62B/225X180	225,00	1,6	32	180	

9.63

- 🇮🇹 **Lame in HW per la pulitura esterna degli angoli su pulitrici automatiche a disco**
- 🇬🇧 **HW blades to clean the outer part of the angle on automatic cleaning machines**
- 🇪🇸 **Discos en HW para la limpieza externa de angulos para limpiadoras automaticas**



Articolo Article/Articulo	Ø	SP Thickness/Espesor	Foro Ø Hole Ø / Ø Taladro	Z	Note Notes/Notas
9.63/190x20+2+2	190	4,5	20	20+2+2	DX -SX Rotox
9.63/230x60	230	3	30	60	SE4 Sturtz
9.63/250X52+8	250	4,5	30/32	52+8	DX -SX
9.63/250X56+4	250	5	30/32	56+4	DX -SX
9.63/250X56+8	250	4,8	30/32	56+8	DX -SX
9.63/250X60	250	4,5	30/32	60	DX -SX
9.63/250X60+6	250	5	30/32	60+6	DX -SX Profteq
9.63/250X72+8	250	3,5	30/32	72+8	DX -SX
9.63/250X32	250	5	30/32	32	
9.63/275X32	275	5	30/32	32	DX -SX Emmegi
9.63/275X72+8	275	3,5	30/32	72+8	Profteq
9.63/275X4/72+8	275	4	30/32	72+8	DX -SX
9.63/300X64+8	300	4,5	25	64+8	Mecal
9.63/300X90+6	300	4	30/32	90+6	DX -SX Graf
9.63/300X5/90+6	300	5	30/32	90+6	DX -SX

Per macchine di: / For machines of: / Para maquinas de:

ABCD, ELUMATEC, EMMEGI, HASSOMAT, GEMMA GROUP, ITALPLASTICK, KABAN, MECAL, PROFTEQ, RINALDI, STB-SOENEN-GRAF, STURTZ, URBAN

100.0

- 🇮🇹 Altri servizi sulle lame
- 🇬🇧 Other services for blades
- 🇪🇸 Otros servicios para los discos

CIRCOLARI A SPESSORE PIÙ SOTTILE:

CIRCOLARI A SPESSORE PIÙ GROSSO (MAX MM 5)

CIRCOLARI CON DIAMETRI SPECIALI

LAME SILENZIATE

FORI DI TRASCINAMENTO

FORI ALLARGATI

ESECUZIONE CHIAVETTE

ARTICOLO ITEM	AFFILATURA SHARPENING
9AFF/z	Denti lame Dentro+Sopra
9AFF/zmult	Denti multilame Dentro+Sopra
9AFF/zall	Denti lame per alluminio Dentro+Sopra
9AFF/zpvc	Denti lame per PVC Dentro+Sopra
9AFF/zsez	Denti lame per sezionatici Dentro+Sopra
9AFF/zras	Rasanti per multilame Dentro+Sopra
9AFF/ztruc	Denti truciolatori Dentro+Sopra

ARTICOLO ITEM	RIPLACCHETTATURA
9RIP/z	Denti lame
9RIP/steli	Steli lame

ARTICOLO ITEM	NICHELATURA
NIC0001	FINO AL Ø300
NIC0002	DA Ø310 A Ø500
NIC0003	DA Ø510 A Ø600

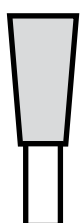
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- 🇮🇹 Note tecniche sulle lame
- 🇬🇧 Technical notes on the blades
- 🇪🇸 Notas técnicas sobre las cuchillas

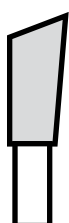
Tabella per determinare il numero massimo dei giri
Table for determining the maximum number of revolutions
Tabla para determinar el numero maximo de giros

D	N.Giri	D	N.Giri	D	N.Giri
80	28000	210	10000	400	4500
100	22000	230	9000	450	4000
125	18000	255	8000	500	3500
150	15000	305	6500	550	3000
180	12000	355	6000	630	2500

Forma di affilatura dei denti
Sharpening form of the teeth
Forma de afilado de los dientes



piano
flat
plano



destro
right
derecho



sinistro
left
izquierdo



alternato
alternate
alterno



trapezoidale
trapezoidale
trapezoide



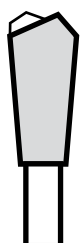
conico
conical
conico



cuspid
cusp
cuspid



piano trapezoidale
trapezoidale flat
planta trapezoidal



alternato sbizzatore
alternate blocking
alterno



RICAM

RICAMBI ACCESSORI

Ricambi e accessori

Spare parts and accessories
Repuestos y accesorios



0.61

- 🇮🇹 **Canotti per gruppo fresa a intestare completi di ghiera ed anelli per macchine a cambio manuale**
- 🇬🇧 **Cutter blocks for milling cutters complete with nut and rings for end milling machine with manual change of the tool**
- 🇪🇸 **Manguitos para conjunto de fresas a retestar con anillos y casquillos para maquinas con cambio manual**



Articolo Article/Artículo	Ø Esterno Outer Ø Ø Exterior	Ø Foro Hole Ø Ø Taladro	H
0.61/01	16,0	22,0	70,0
0.61/02	16,0	22,0	120,0
0.61/03	22,0	32,0	80,0
0.61/04	22,0	32,0	110,0
0.61/05	27,0	32,0	80,0
0.61/06	27,0	32,0	95,0
0.61/07	27,0	32,0	110,0

Per misure speciali, prezzi a consuntivo
For special measures, prices at cost
Para medidas especiales, precios en definitiva

0.62

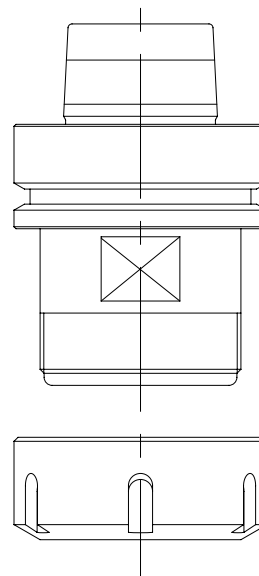
- 🇮🇹 **Canotti per gruppo fresa a intestare completi di ghiera ed anelli per macchine a cambio rapido**
- 🇬🇧 **Cutter blocks for milling cutters complete with nut and rings for end milling machine with automatic change of the tool**
- 🇪🇸 **Manguitos para conjunto de fresas a retestar con anillos y casquillos para maquinas con cambio rapido**



Articolo Article Artículo	Ø Esterno Outer Ø Ø Exterior	Ø Foro Hole Ø Ø Taladro	H	Macchina (intestatrice) Machine (End Milling M/C) Maquina (retestadora)
0.62/01	32,0	27,0	97,0	M.L.A.M10/M7
0.62/02	32,0	27,0	100,0	Rinaldi 1M/P, Pertici ML120, M.L.A. H100
0.62/03	32,0	27,0	117,5	Lisi
0.62/04	32,0	27,0	120,0	Comall, M.L.A.H120
0.62/05	32,0	22,0	130,0	PDP, Wegoma H130, O.M.C., TIGRA, STB 130
0.62/06	32,0	22,0	160,0	STB H160
0.62/07	32,0	27,0	135,0	Rinaldi 9M-10A Omega, MG Work 150, Pertici ML124 ABCD/ALTECH GEMMA GROUP
0.62/08	32,0	25,0	140,0	LGF, Oemme
0.62/09	32,0	27,0	145,0	Tekna - MLA
0.62/10	32,0	27,0	150,0	Mecal 702
0.62/11	32,0	25,0	155,0	Infismac IMCRS
0.62/12	32,0	25,0	165,0	Rinaldi 350A, Infismac ICRP, Wegoma H160, Pertici, Green it250
0.62/13	32,0	25,0	173,0	Fom Jet, Mistral e Marak
0.62/14	32,0	27,0	180,0	Rinaldi 400V
0.62/15	32,0	25,0	203,0	Fom Falcon e Mistral
0.62/16	35,0	27,0	99,0	P.V.Tecnic FR902-903
0.62/17	35,0	27,0	125,0	P.V.Tecnic UN2-4F
0.62/18	32	50	160	Lisi Ø 32-50 con doppia ghiera
0.62/19	40	30	157	Urban Rotox 363
0.62/20	40,0	30,0	166,5	ELUMATEC
0.62/21	35	27	175	P.V.Tecnic RAY P1
0.62/22	32	25	162	ALTECH LIBRA/MECAL FR 711
0.62/23	32	19	156	ALTECH-ABCD-PHOBOS
0.62/24	32		174	KABAN

5.411

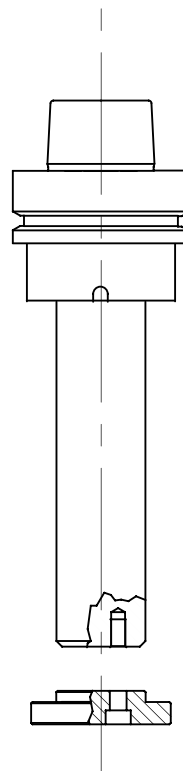
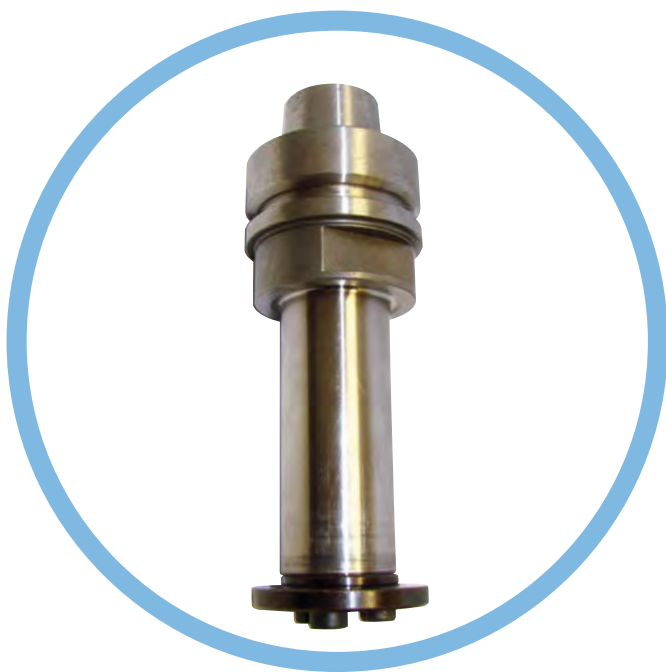
- 🇮🇹 **Mandrino portapinza elastica per pantografo, cnc e macchine varie con attacco HSK completo di ghiera**
- 🇬🇧 **Chuck for collet HSK complete with clamping nut**
- 🇪🇸 **Mandril porta-pinza iso30 para cn con tuerca y tirante**



Articolo Article/Artículo	Descrizione Description/ Descripción	Macchine Machines/Máquinas
5.411/ER32	HSK-F63 ER32	HOMAG, IMA, BIESSE, SCM, MORBIDELLI, MASTERWOOD
5.411/ER40	HSK-F63 ER40	HOMAG, IMA, BIESSE, SCM, MORBIDELLI, MASTERWOOD
5.411/EOC20	HSK-F63 DIN6388	HOMAG, IMA, BIESSE, SCM, MORBIDELLI, MASTERWOOD

5.412

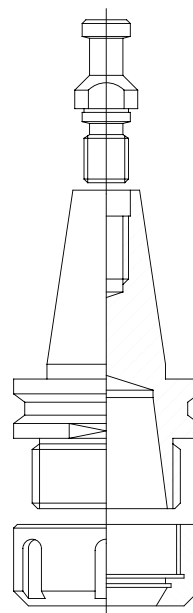
- 🇮🇹 Mandrino portautensili per pantografo, cnc e macchine varie con attacco HSK completo di flangia espansa
- 🇬🇧 CNC tool-holder hsk complete with flange
- 🇪🇸 Mandril porta-herramienta hsk para cn con brida



Articolo Article/Artículo	Descrizione Description/ Descripción	Macchine Machines/Máquinas
5.412/30x70	HSK-F63 Ø30x70	HOMAG, IMA, BIESSE, SCM, MORBIDELLI, MASTERWOOD
5.412/30x100	HSK-F63 Ø30x100	HOMAG, IMA, BIESSE, SCM, MORBIDELLI, MASTERWOOD
5.412/35x100	HSK-F63 Ø35x100	HOMAG, IMA, BIESSE, SCM, MORBIDELLI, MASTERWOOD
5.412/40x100	HSK-F63 Ø40x100	HOMAG, IMA, BIESSE, SCM, MORBIDELLI, MASTERWOOD

5.413

- 🇮🇹 Mandrino portapinza elastica per pantografo, cnc e macchine varie con attacco iso 30 completo di ghiera e tirante
- 🇬🇧 CNC chuck ISO 30 complete with clamping nut and retaining stud
- 🇪🇸 Mandril porta-pinza iso30 para cn con tuerca y tirante



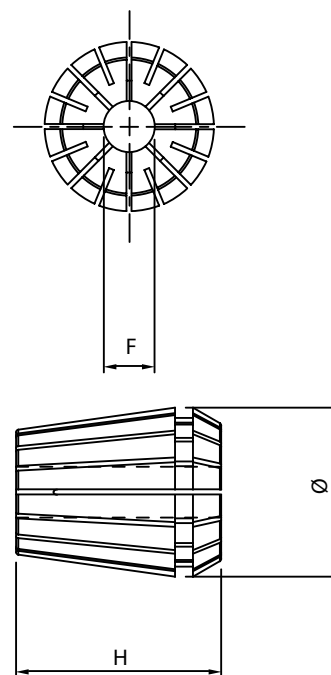
Articolo Article/Artículo	Descrizione Description/ Descripción	Macchine Machines/Máquinas
5.413/ER32	ISO 30 ER32	BIESSE-BIESSE con motore OMLAT, BULLERI, BUSELLATO, CMS-IMA
5.413/ER40	ISO 30 ER40	BIESSE-BIESSE con motore OMLAT, BULLERI, BUSELLATO, CMS-IMA

5.425

🇮🇹 Pinza elastica su mandrini per articolo 5.411-5.413

🇬🇧 Collet for chuck for art. 5.411 – 5.413

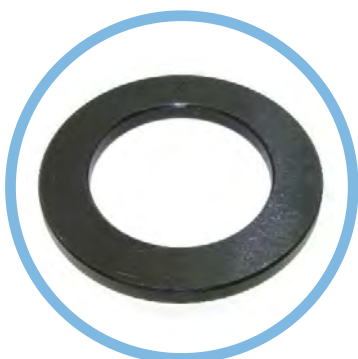
🇪🇸 Pinza para art. 5.411-5.413



Articolo Article/Articulo	Tipo Type/tipo	Ø	H	Foro bore/ agujero
5.425/ER20	ER 20	21	31	3÷12,7
5.425/ER25	ER 25	26	35	6÷16
5.425/ER32	ER 32	33	40	3÷20
5.425/ER40	ER 40	41	46	4÷45

5.301

- 🇮🇹 Anelli e boccole distanziali per gruppi fresa su canotti
- 🇬🇧 Rings and spacers for milling cutters on cutter blocks
- 🇪🇸 Anillos y casquillos separadores para grupo de fresa



Articolo Article/ Artículo	Ø Esterno Outer Ø/Ø Exterior	Spessore Thickness Ø/Ø Espesor	Ø Foro Hole Ø/Ø Taladro
5.301/45x0,1	45	0,1	32
5.301/45x0,3	45	0,3	
5.301/45x0,5	45	0,5	
5.301/45x1	45	1	
5.301/45x16	45,0	16,0	
5.301/45x17	45,0	17,0	
5.301/45x19	45,0	19,0	
5.301/45x21	45,0	21,0	
5.301/45x22	45,0	22,0	
5.301/45x23	45,0	23,0	
5.301/45x30	45,0	30,0	
5.301/45x34	45,0	34,0	
5.301/45x38	45,0	38,0	
5.301/38x16	38	16	
5.301/38x17	38	17	
5.301/38x19	38	19	
5.301/38x21	38	21	
5.301/38x22	38	22	
5.301/38x23	38	23	
5.301/38x30	38	30	
5.301/38x34	38	34	
5.301/38x39	38	39	
5.301/50x0,1	50	0,1	30
5.301/50x0,3	50	0,3	
5.301/50x0,5	50	0,5	
5.301/50x1	50	1	
5.301/55x0,1	55	0,1	35
5.301/55x0,3	55	0,3	
5.301/55x0,5	55	0,5	
5.301/55x1	55	1	
5.301/60x0,1	60	0,1	40
5.301/60x0,3	60	0,3	
5.301/60x0,5	60	0,5	
5.301/60x1	60	1	

5.301

🇮🇹 Anelli e boccole distanziali per gruppi fresa su canotti

🇬🇧 Rings and spacers for milling cutters on cutter blocks

🇪🇸 Anillos y casquillos separadores para grupo de fresa

Articolo Article/ Artículo	Ø Esterno Outer Ø/Ø Exterior	Spessore Thickness Ø/Ø Espesor	Ø Foro Hole Ø/Ø Taladro
5.301/50x4	50	4	30
5.301/55x4	55	4	35
5.301/60x4	60	4	40
5.301/50x6	50	6	30
5.301/55x6	55	6	35
5.301/60x6	60	6	40
5.301/50x7	50	7	30
5.301/55x7	55	7	35
5.301/60x7	60	7	40
5.301/50x10	50	10	30
5.301/55x10	55	10	35
5.301/60x10	60	10	40
5.301/50x15	50	15	30
5.301/55x15	55	15	35
5.301/60x15	60	15	40
5.301/50x20	50	20	30
5.301/55x20	55	20	35
5.301/60x20	60	20	40
5.301/70x0,1	70	0,1	50
5.301/70x0,3	70	0,3	
5.301/70x0,5	70	0,5	
5.301/70x1	70	1	
5.301/70x4	70	4	
5.301/70x6	70	6	
5.301/70x7	70	7	
5.301/70x10	70	10	
5.301/70x15	70	15	
5.301/70x20	70	20	
5.301/80x0,1	80	0,1	60
5.301/80x0,3	80	0,3	
5.301/80x0,5	80	0,5	
5.301/80x1	80	1	
5.301/80x4	80	4	
5.301/80x6	80	6	
5.301/80x7	80	7	
5.301/80x10	80	10	
5.301/80x15	80	15	
5.301/80x20	80	20	

7.31

- 🇮🇹 **Mandrino con attacco MORBIDELLI per punte componibili a rotazione DX e SX**
- 🇬🇧 **Rings and spacers for milling cutters on cutter blocks**
- 🇪🇸 **Tirantes para mandrino con enganche MORBIDELLI para puntas modulares a rotacion derecha y izquierda**



Articolo Article/Articulo	Misure Dimensions/Medidas	Descrizione Description/Descripcion
7.31	Ø 10 x 19,5	Mandrino con attacco MORBIDELLI Spidle with MORBIDELLI shaft Mandrino con enganche MORBIDELLI

NOTES





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 **UTENSIL
TECNICA**
TAILORED TECH TOOLS

Via Ca' Giorgino, 2 - 47837 Montegridolfo (RN)
Tel. 0541.855202 - 855274 - Fax. 0541.855255
utensiltecnica@utensiltecnica.com

Export Sales Department
UTENSILTECNICA TRADING Ltd
Phone +39.0541-1860191
export@utetrading.com - Skype: export.utetrading

www.utensiltecnica.com