

CATALOGO FERRAMENTA PER MOBILI  
HARDWARE CATALOG FOR FURNITURE  
CATALOGUE FERRURES POUR MEUBLES  
KATALOG MÖBELBESCHLÄGE

MADE IN ITALY

2017



## MADE IN ITALY



L'accumulo di esperienza diventa una crescita di cultura, inclusa quella cultura materiale che è la storia degli artefatti di un popolo, di una nazione. È l'allenamento storico-culturale al gusto e alla qualità che rende il "Made in Italy" una marca così altamente distinguibile.

Ceam si migliora costantemente da oltre 55 anni, nel distretto dell'arredamento più apprezzato al mondo, per portare in tutti i continenti un prodotto esclusivamente "Made in Italy" sinonimo di design, affidabilità e qualità.

The accumulation of experiences becomes a cultural rising, including that material culture which is the history of the artefacts of a nation.

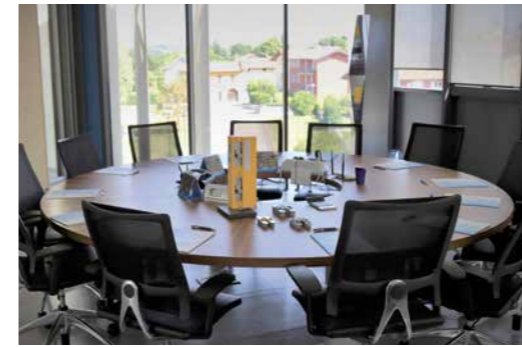
It is the historical-cultural training to the excellence and quality that makes "Made in Italy" a worldwide highly recognizable brand. Ceam is constantly improving since 1962, in the most appreciated furniture industrial district in the world, to bring in all five continents a product exclusively "Made in Italy", synonymous of design, quality and reliability.

L'accumulation d'expériences se transforme en croissance de la culture, y compris de la culture matérielle qui est l'histoire des artefacts d'un peuple, d'une nation.

C'est l'entraînement historico-culturel au goût et à la qualité qui fait du "Made in Italy" une marque si facilement reconnaissable. Ceam s'améliore constamment depuis plus de 55 ans, dans le domaine de l'ameublement le plus apprécié du monde, pour porter dans tous les continents un produit exclusivement "Made in Italy" synonyme de design, fiabilité et qualité.

Kulturelles Wachstum beruht auf angesammeltem Erfahrungsschatz. Dies gilt auch für die materielle Kultur, d. h. für die Geschichte der materiellen Erzeugnisse eines Volkes, einer Nation. Die historisch-kulturelle Ausbildung der besonderen Ästhetik und Qualität hat das "Made in Italy" zu einer herausragenden Marke gemacht. Die Firma Ceam, mit Standort im weltweit geschätzten Industriegebiet der Möbelherstellung, widmet sich seit mehr als 55 Jahren der ständigen Verbesserung ihrer 100% "Made in Italy" Produkte, die für Design, Zuverlässigkeit und Qualität stehen, um sie in alle Kontinente zu exportieren.





## Company

Ceam Amadeo Spa nasce nel 1962 grazie all'intraprendente curiosità di Celesteantonio Amadeo che, sfrattando la mucca dalla stalla di famiglia, vi pone il primo macchinario per la produzione di manufatti metallici, dando vita ad un anello fondamentale della catena che forma il noto distretto artigianale del mobile della Lombardia.

Seguendo le tendenze del mercato, dapprima italiano, poi europeo ed oggi mondiale, Ceam è cresciuta anno dopo anno specializzandosi nella produzione di cerniere invisibili per mobili, tavoli, e serramenti, oltre ad altri componenti metallici per la costruzione di arredi.

Giunti oggi alla seconda generazione, sono l'entusiasmo di Marina e l'equilibrio di Davide che spingono l'azienda nel suo naturale percorso di crescita.

Attento alle novità pur mantenendo vive le tradizioni, il management è in costante relazione con i clienti per i quali Ceam è un affidabile ed innovativo punto di riferimento.

Fiore all'occhiello della produzione è la serie di cerniere regolabili S.T.A.R.S. (sistema a tre assi regolabili singolarmente) che porta nei primi anni 2000 un'importante innovazione estetica e tecnologica nel mondo della porta.

Ceam Amadeo Spa was born in 1962, thanks to the pushing curiosity of Celesteantonio Amadeo who, throwing out the cow from the family stable, placed the first machine for metallic manufactures, creating a vital link in the chain that forms the classy furniture industrial district of Lombardy.

Following market trends, first Italian, then European and later worldwide, Ceam has grown year after year specializing in the production of concealed hinges for cabinets, tables, doors, besides other metallic components for furniture making.

Today the second generation, the enthusiasm of Marina and the balance of Davide, drive the business in a natural growth path. They take care to the news keeping the traditions alive in constant relationship with customers that consider Ceam a reliable and innovative reference point. Flagship is the adjustable hinges series called S.T.A.R.S. (sistema a tre assi regolabili singolarmente) which, in the early 2000s, took an important aesthetic and technological innovation in the door industry.

Ceam Amadeo Spa est née en 1962 grâce à la curiosité entreprenante de Celesteantonio Amadeo qui, après avoir expulsé la vache de l'étable familiale, y installe la première machine pour la production d'objets métalliques, donnant vie à un anneau fondamental de la chaîne qui compose le célèbre secteur artisanal du meuble de la Lombardie.

Suivant les tendances du marché, d'abord italien puis européen et aujourd'hui mondial, Ceam a grandi au fil des ans en se spécialisant dans la production de charnières invisibles pour meubles, tables, et menuiseries, ainsi que d'autres composantes métalliques pour la fabrication d'objets. Arrivés aujourd'hui à la deuxième génération, ce sont l'enthousiasme de Marina et l'équilibre de Davide qui poussent l'entreprise dans son parcours naturel de croissance.

Attentifs aux nouveautés, tout en maintenant vivantes les traditions, le management est en relation permanente avec les clients pour lesquels Ceam est un point de repère fiable et innovateur.

Le fleuron de la production est représenté par la série de charnières réglables S.T.A.R.S. (système à trois axes réglables individuellement) qui apporte au début des années 2000 une importante innovation esthétique et technologique dans le monde de la porte.

Ceam Amadeo Spa verdankt ihre Gründung im Jahr 1962 der unternehmerischen Neugier von Celesteantonio Amadeo. Damals verbannte er kurzerhand die Kuh aus dem familieneigenen Stall und stellte dort die erste Maschine zur Herstellung von Metalizerzeugnissen auf. Damit schuf er ein wesentliches Glied in der Kette, die das berühmte Gebiet des Möbelhandwerks in der Lombardie repräsentiert. Den Tendenzen des italienischen, später des europäischen und heute des Weltmarkts folgend, wuchs Ceam von Jahr zu Jahr und hat sich schließlich auf die Herstellung von verdeckt liegenden Scharnieren und Bändern für Möbel, Tische, Türen und Fenster sowie auf andere Metallbeschläge für Möbel und Einrichtungen spezialisiert.

Heute wird das Unternehmen in zweiter Generation - von Marina mit Enthusiasmus und von Davide mit Ausgewogenheit - auf seinem natürlichen Wachstumsweg fortgeführt.

Das Management, das seine Aufmerksamkeit auf Innovation richtet und gleichzeitig darauf bedacht ist, die Tradition lebendig zu erhalten, arbeitet im engen Kontakt mit den Kunden, für die Ceam ein zuverlässiger und innovativer Partner ist.

Aushängeschild der Produktion ist die dreidimensional verstellbare Türbandserie S.T.A.R.S. (sistema a tre assi regolabili singolarmente), mit der Anfang 2000 eine ästhetisch und technisch bedeutende Innovation in die Welt der Türen eingeführt worden ist.



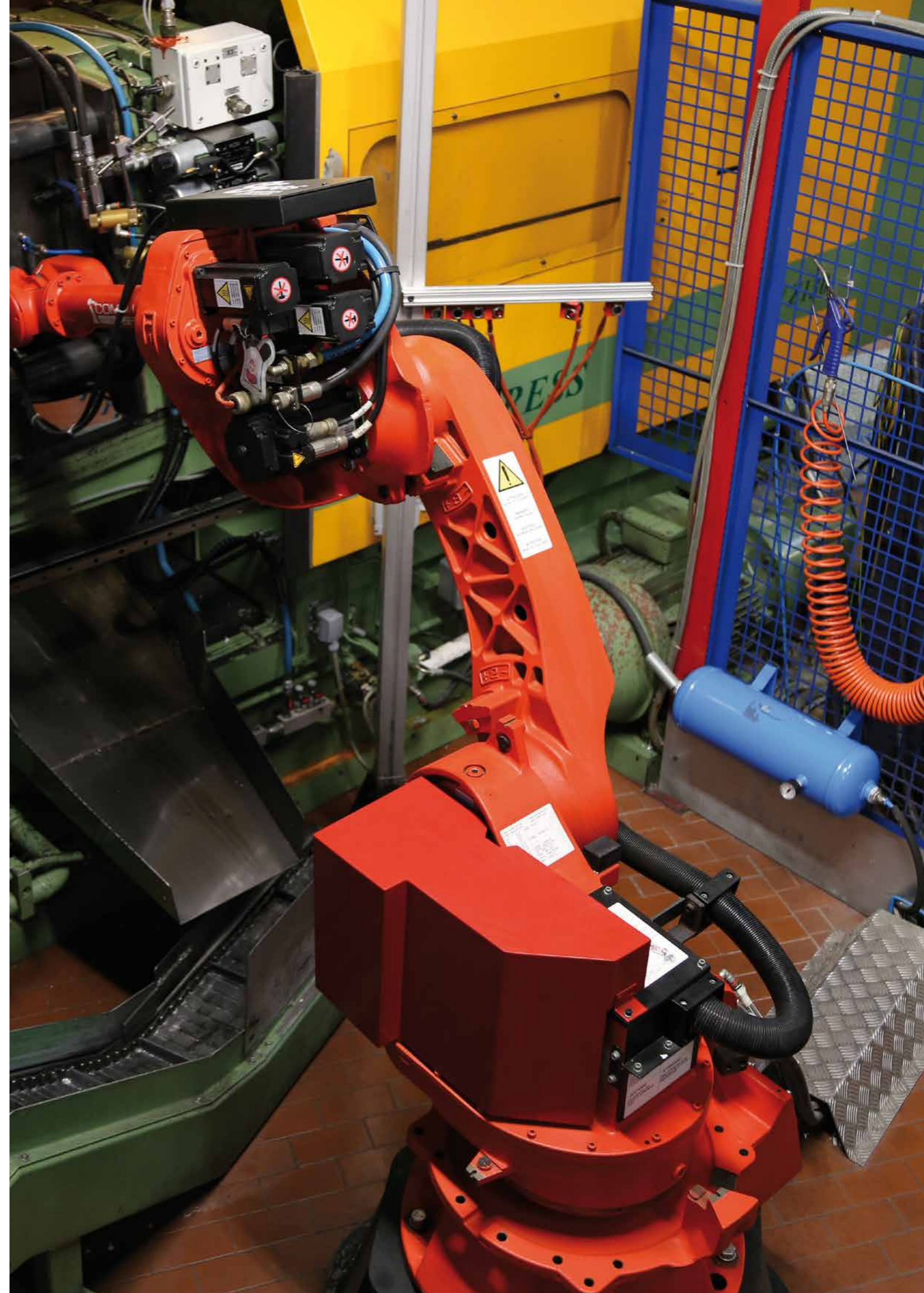


La cerniera deve essere meccanicamente affidabile e conforme per permettere il movimento sicuro della porta durante tutta la sua funzione. La funzionalità deve essere garantita nel lunghissimo periodo e ben oltre le garanzie standard. A questo scopo è all'interno della pianta industriale di Cermenate, Como, che vengono espletate tutte le fasi del processo produttivo di Ceam: dalla progettazione, alla messa a punto degli attrezzisti, passando per lo stampaggio, la tranciatura e le torniture dei migliori materiali, per finire con il montaggio automatizzato e la logistica.

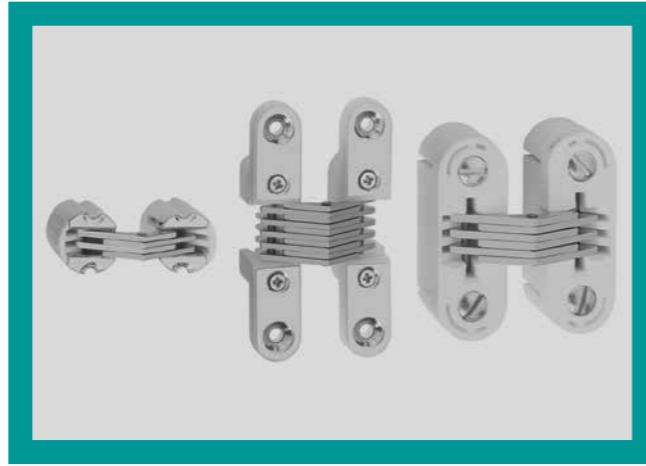
The hinge must be mechanically reliable and suitable to allow the safe movement of the door during its entire function. The functionality must be guaranteed in the long term, well beyond the normal warranty standard. For this purpose, it's all inside the industrial plant Cermenate, Como, where are carried out all stages of Ceam's production process: from design, tool making, through moulding, cuttings and turnings of the best materials, ending with the automatic assembly and logistic department.

La charnière doit être fiable et conforme sur le plan mécanique pour permettre un mouvement sûr de la porte durant son fonctionnement. La fonctionnalité doit être garantie sur une très longue période et bien au-delà des garanties standard. Dans ce but, c'est à l'intérieur de l'installation industrielle de Cermenate, Côme, que sont exécutées toutes les phases du processus de production de Ceam : de l'étude de projet à la mise au point des accessoiristes, en passant par le moulage, le découpage et le tournage des meilleurs matériaux, pour finir avec le montage automatisé et la logistique.

Mechanische Zuverlässigkeit und Normkonformität der Türbänder sind grundlegend für sichere Türfunktionen und das reibungslose Zusammenspiel aller Funktionen. Ihre Funktionstüchtigkeit muss über eine sehr lange Dauer, die weit über Standard-Garanziezeiten hinausgeht, gewährleistet sein. Zu diesem Zweck erfolgen alle Stufen des Ceam Herstellungsprozesses, wie Planung, Werkzeugbau, Tiefziehen, Stanzen und Drehen der hochwertigen Werkstoffe, automatisierte Montage und Logistik, werksintern in der Industrieanlage in Cermenate (Como).



Cerniere invisibili per mobili  
 Invisible hinges for furniture  
 Charnières invisibles pour meubles  
 Unsichtbare Scharniere für Möbel



Cerniere invisibili per mobili	Invisible hinges for furniture	Charnières invisibles pour meubles	Unsichtbare Scharniere für Möbel	Pag. 10
Cerniere invisibili laterali per mobili	Side invisible hinges for furniture	Charnières invisibles latérales pour meubles	Unsichtbare seitliche Scharniere für Möbel	Pag. 24

Movimenti per ante  
 Wing movements  
 Mouvements des portes  
 Bewegung der Türen



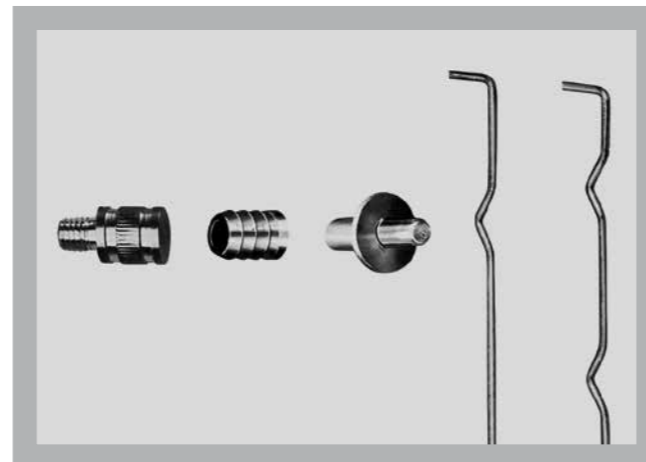
Movimenti per ante	Wing movements	Mouvements des portes	Bewegung der Türen	Pag. 26
Mercurio	Mercurio	Mercurio	Mercurio	Pag. 30
Snodo frenante	Braking joint	Bras auto-bloquant	Klappenbremse	Pag. 34
Pistone a gas	Gas piston	Piston à gaz	Gasdämpfer	Pag. 36
Ammortizzatore	Shock absorber	Amortisseur	Stoss Dämpfer	Pag. 37
Aste	Arms	Tiges	Klappenhalter	Pag. 38
Bracci telescopici	Telescopic arms	Bras télescopiques	Klappenhalter mit Anschlag	Pag. 44

Giunzioni e bussole  
 Joints and bushes  
 Jonctions et douilles  
 Verbindungen und Buchsen



Giunzioni e bussole	Joints and bushes	Joints et douilles	Verbindungen und Buchsen	Pag. 46
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Reggipiani  
 Shelf support  
 Support d'étagères  
 Stützelemente für Fachböden



Reggipiani	Shelf supports	Support d'étagères	Stützelemente für Fachböden	Pag. 52
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## Materie prime utilizzate - Raw materials - Matières premières utilisées - Verwendere Rohstoffe

**ACCIAIO:** Lega a base di ferro contenente carbonio in percentuale variabile da 0,1% ad un massimo del 2%. L'acciaio è uno dei materiali più diffusi al mondo grazie alle sue caratteristiche di robustezza, totale riciclabilità, elevata resistenza meccanica, malleabilità ed elasticità. Ha inoltre la possibilità di acquisire resistenza meccanica e durezza attraverso i molteplici trattamenti di "tempra".

**STEEL:** Iron-based alloy, which contains a variable percentage of carbon in the range of 0.1% ÷ 2%. Steel is one of the most widely used materials in the world for its strength, complete recyclability, high mechanical resistance, pliability and elasticity. Furthermore, it can gain mechanical resistance and toughness through repeated tempering.

**ACIER:** Alliage à base de fer contenant du carbone selon un pourcentage de 0,1 à 2 % maximum. L'acier est l'un des matériaux les plus répandus au monde en vertu de ses caractéristiques de solidité, recyclabilité, haute résistance mécanique, malléabilité et élasticité. Il a en outre la possibilité d'acquies de la résistance mécanique et de la dureté à travers les multiples traitements de "trempe".

**STAHL:** Eisenlegierung mit 0,1% bis maximal 2% Kohlenstoffanteil. Stahl ist einer der weltweit meisteingesetzten Werkstoffe aufgrund seiner Beständigkeit, vollständigen Wiederverwertbarkeit, hohen mechanischen Festigkeit, Formbarkeit und Elastizität. Die mechanische Festigkeit und Härte von Stahl kann überdies durch zahlreiche Wärmebehandlungen weiter erhöht werden.

**OTTONE:** Lega a base di rame contenente zinco in percentuale fra il 36% e il 45% e altri elementi come il manganese e lo stagno per aumentare la resistenza alla corrosione, il ferro per aumentare il carico di rottura, l'alluminio. Grazie alle loro caratteristiche meccaniche, alla resistenza agli agenti atmosferici e all'ottima lavorabilità gli ottoni trovano applicazione in molti campi. Si prestano inoltre facilmente a rivestimenti superficiali di tipo galvanico e quindi trovano largo impiego per scopi decorativi.

**BRASS:** Copper-based alloy, which contains a percentage of zinc in the range of 36% ÷ 45%, and other elements like magnesium, tin and aluminium that enhance resistance to corrosion, and iron that increases ultimate strength. Mechanical features, weathering resistance and excellent workability make brass the ideal choice for several applications. Brass can be easily used for galvanic surface coating; hence, it is extensively adopted for decorations.

**LAITON:** alliage à base de cuivre contenant du zinc selon un pourcentage compris entre 36 et 45 % et d'autres éléments comme le manganèse et l'étain pour augmenter la résistance à la corrosion, le fer pour augmenter la charge de rupture, l'aluminium. Grâce à leurs caractéristiques mécaniques, à leur résistance aux agents atmosphériques et à leur excellente usinabilité, les laitons peuvent être employés dans de nombreux domaines. Ils se prêtent en outre facilement à des revêtements superficiels de type galvanique et sont, par conséquent, largement utilisés pour la décoration.

**MESSING:** Kupferlegierung mit 36% bis 45% Zinkanteil und mit anderen Elementen wie Mangan und Zinn zur Erhöhung der Korrosionsfestigkeit, Eisen zur Erhöhung der Bruchfestigkeit und Aluminium. Messingwerkstoffe finden aufgrund ihrer mechanischen Eigenschaften, ihrer Witterungsbeständigkeit und ihrer ausgezeichneten Verarbeitungseigenschaften Anwendung in vielen Bereichen. Sie sind überdies gut für galvanische Oberflächenbeschichtungen geeignet und werden daher in großem Umfang zu dekorativen Zwecken eingesetzt.

## Materie prime utilizzate - Raw materials - Matières premières utilisées - Verwendere Rohstoffe

**ZAMA:** Lega a base di zinco contenente alluminio in percentuale compresa fra il 3% e il 5% e rame in percentuale compresa fra l'1% e il 3%. Utilizzata soprattutto per pressofusioni per ottenere pezzi con forme anche molto complesse e tolleranze dimensionali ridotte. Si presta ad ogni trattamento galvanico.

**ZAMA:** Zinc-based alloy, which contains a percentage of aluminium in the range of 3% - 5%, and a percentage of copper in the range of 1% - 3%. It can be used for pressure die castings to obtain items with complex shapes and low dimensional tolerance. It can be adopted for any galvanic treatment.

**ZAMAK:** alliage à base de zinc contenant de l'aluminium selon un pourcentage compris entre 3 et 5 % et du cuivre selon un pourcentage compris entre 1 et 3 %. Tout particulièrement utilisé pour les moulages sous pression pour obtenir des pièces pouvant avoir des formes très complexes et des tolérances dimensionnelles réduites. Il se prête à tout traitement galvanique.

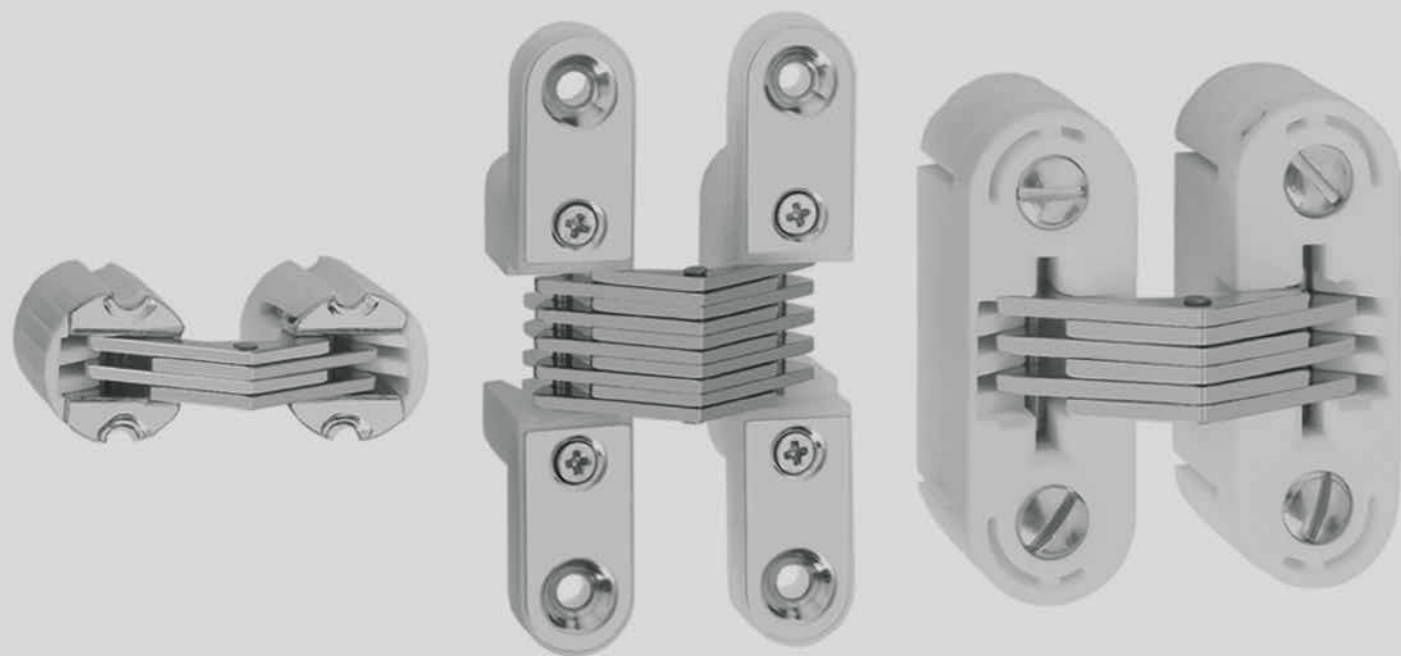
**ZAMAK:** Zinklegierung mit 3% bis 5% Aluminiumanteil und 1% bis 3% Kupferanteil. Der Werkstoff wird vorwiegend für den Druckguss von sehr komplizierten Formteilen und geringen Maßtoleranzen verwendet. Für alle galvanischen Behandlungen geeignet.

**NYLON:** Nome commerciale Poliammide PA6/66. È un materiale termoplastico con buone caratteristiche di resistenza meccanica, ottima tenacità ed elevata resistenza all'urto. Per le sue proprietà di elevata resistenza all'usura e antieffrazione è adatto ad impieghi tecnici. Si presenta quasi trasparente al naturale ed è colorabile in molteplici tinte.

**NYLON:** Commercial name: Polyamide PA6/66. It is a thermoplastic material that has high mechanical resistance, excellent toughness and high resistance to impact. With excellent resistance to wear and anti-effraction properties, it is extensively used for many technical purposes. Almost transparent when raw, it can be produced in many colours.

**NYLON:** nom commercial Polyamide PA6/66. C'est un matériau thermoplastique possédant de bonnes caractéristiques de résistance mécanique, une excellente tenue et une haute résistance aux chocs. De par ses propriétés de haute résistance à l'usure et antieffraction, il est adapté à des usages techniques. Il se présente sous forme presque transparente au naturel et peut être coloré dans de multiples teintes.

**NYLON:** Handelsname von Polyamid PA6/66. Dieser thermoplastische Werkstoff besitzt eine gute mechanische Festigkeit, ausgezeichnete Zähigkeit und hohe Stoßfestigkeit. Aufgrund seiner hohen Verschleißfestigkeit und einbruchhemmenden Eigenschaft eignet er sich für technische Anwendungen. Im natürlichen Zustand ist Nylon beinahe durchsichtig und für vielfältige Farbgebung geeignet.



**Cerniere invisibili per mobili**  
**Invisible hinges for furniture**  
**Charnières invisibles pour meubles**  
**Unsichtbare Scharniere für Möbel**



**Cod. 829**  
Pag. 13



**Cod. 804**  
Pag. 14



**Cod. 501**  
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**Dima**  
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**Cod. 502**  
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**Cod. 503**  
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**Cod. 504**  
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**Cod. 497**  
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**Cod. 499**  
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**Cod. 828**  
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**Cod. 2024**  
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**Cod. 2022**  
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**Cod. 492**  
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**Cod. 2000**  
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**Cod. 2001**  
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**Cod. 23**  
Pag. 24



**Cerniere invisibili per mobili**  
Invisible hinges for furniture

**Charnières invisibles pour meubles**  
Unsichtbare Scharniere für Möbel

**829**  
mm.69,8x15,9

cod.

CI000829OTT00  
CI000829NIK00  
CI000829BRO00

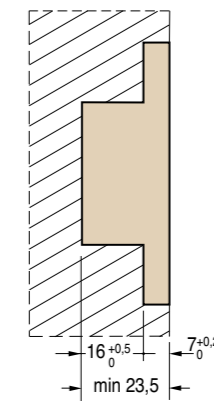
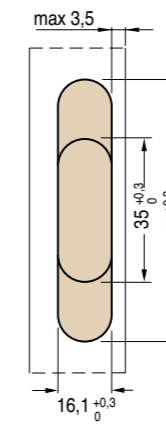
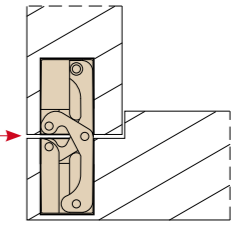
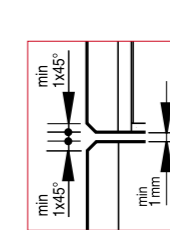
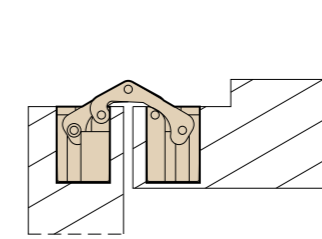
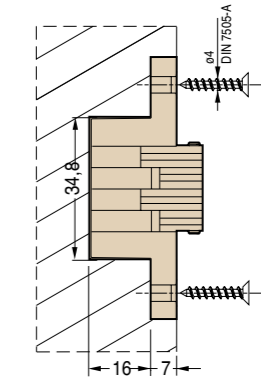
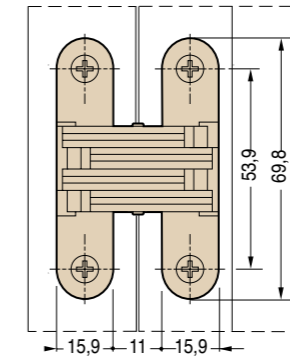
Acciaio e zama  
ottonati  
nichelati  
bronzati

Steel and zinc alloy  
brass-plated  
nickel-plated  
bronze-plated

Acier et zamac  
laitonnés  
nickelés  
bronzés

Stahl und Zamak  
messingfarben  
vernickelt  
bronzefarben

	180°	20
	180°	20
	180°	20



Misure della cava  
Slot measurement  
Mesures de l'encoche  
Abmessungen der Aushöhlung



Cod. CI00DIMA00000

Dima  
Drilling template  
Gabarit  
Schablone



Cod. CI00DIMA00829

Inseri per 829  
Insert for 829  
Inseris pour 829  
Einsätze für 829



804

mm.91,8x17,7

per cerniere art. 829  
for hinge art. 829

Basetta di regolazione  
cerniere

Modello brevettato

cod.

CI000804OTT00

CI000804NIK00

CI000804BRO00

Acciaio  
e zama

ottonati

nichelati

bronzati

Steel and  
zinc alloy

brass-plated

nickel-plated

bronze-plated

Acier  
et zamac

laitonnés

nickelés

bronzés

Stahl  
und Zamak

vermessingtem

vernickeltem

bronziertem



10

10

10



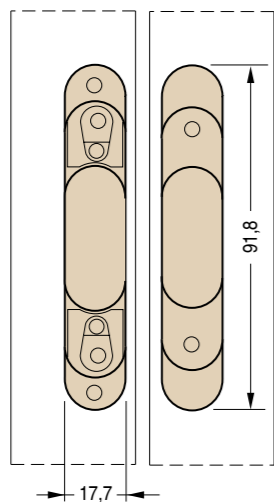
804

regolabile  
adjustable  
réglable  
verstellbar

fissa  
fixed  
fixe  
fest

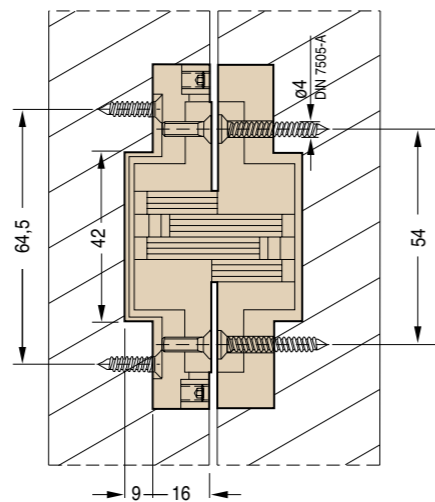
Base for adjustable  
mounting

Patented model



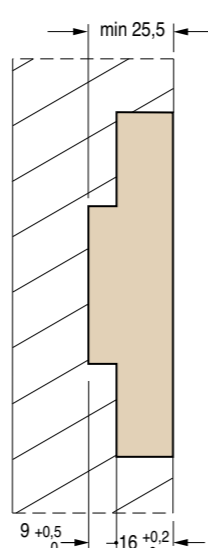
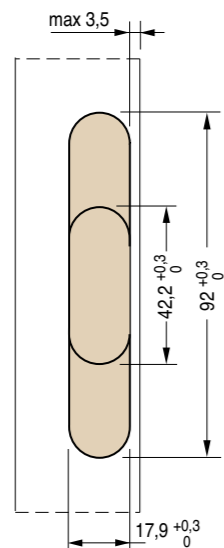
Charnières invisibles  
pour portes

Modèle breveté



Unsichtbare  
Türscharnier

Patentiertes Modell



Misure della cava  
Slot measurement  
Mesures de l'encoche  
Abmessungen der Aushöhlun



Cod. CI00DIMA00000

Dima  
Drilling template  
Gabarit  
Schablone

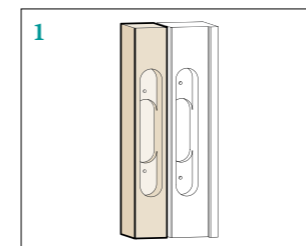


Cod. CI00DIMA00804

Inserti per 804  
Insert for 804  
Inserts pour 804  
Einsätze für 804

Basetta regolabile  
Adjustable base  
Charnières invisibles pour portes  
Unsichtbare Türscharnier

Montaggio  
Mounting  
Montage  
Montage

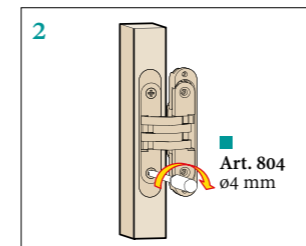


Esecuzione delle cave  
nella porta e nello stipite.

Implementation of hollow  
spaces both in the door and  
in the post.

Exécution des encoches  
dans la porte et le montant.

Ausführung der  
Aushöhlungen in Tür und  
Rahmen.

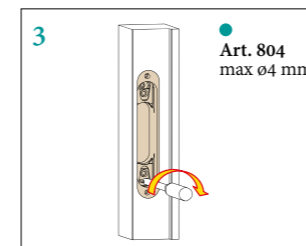


Montaggio della basetta  
fissa e della cerniera  
nella porta;  
vite autofilettante testa  
svasata piana. ■

Mounting of a fixed  
base and door hinge;  
flat countersunk-head  
self-tapping screw. ■

Montage de la base fixe et  
de la charnière dans la porte;  
vis auto-taraudeuse tête  
évasée plate. ■

Montage des festen  
Türelements des Scharniers  
in der Tür, selbstschneidende  
flache Senkschraube. ■

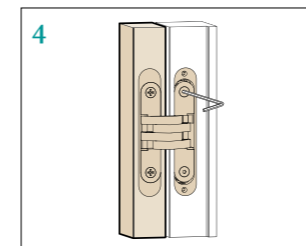


Montaggio della basetta  
regolabile nello stipite;  
**Importante:**  
vite autofilettante  
testa svasata piana. ●

Mounting of adjustable  
base on the post;  
**Attention:**  
flat countersunk-head  
self-tapping screw. ●

Montage de la base réglable  
dans le montant;  
**Important:**  
vis auto-taraudeuse tête  
évasée plate. ●

Montage des regulierbaren  
Elements im Rahmen;  
**Wichtig:**  
Selbstschneidende  
flache Senkschraube. ●

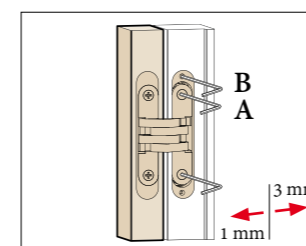


Montaggio cerniera  
nello stipite; vite testa  
svasata, brugola inserite  
nel kit.

Mounting of hinge  
on the post:  
countersunk-head  
screw, allen screw  
included in the kit.

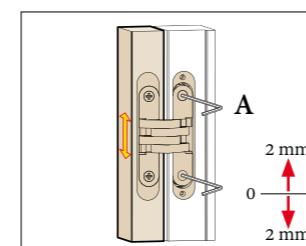
Montage de la charnière  
dans le montant; vis à tête  
évasée, à six pans insérées  
dans le kit.

Montage des Scharniers im  
Rahmen; Senkschraube,  
Inbusschlüssel im Bausatz.



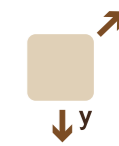
- Allentare A - Aflojar A - Desserrer A - A lockern  
- Regolare B - Ajustar B - Régler B - B regulieren  
- Serrare A - Aprietar A - Serrer A - A estziehen

Regolazione in profondità  
Depth adjustment  
Réglage en profondeur  
Andruckverstellung



- Allentare A - Loosen A - Desserrer A - A lockern  
- Regolare la porta - Adjust the door - Régler la porte - Tür regulieren  
- Serrare A - Tighten A - Serrer A - A Festziehen

Regolazione verticale  
Vertical adjustment  
Réglage vertical  
Höhenverstellung



501  
mm.79,8x18

cod.

CI000501OTT00  
CI000501NIK00  
CI000501BRO00

Acciaio  
e zama

ottonati  
nichelati  
bronzati

Steel and  
zinc alloy

brass-plated  
nickel-plated  
bronze-plated

Acier  
et zamac

laitonnés  
nickelés  
bronzés

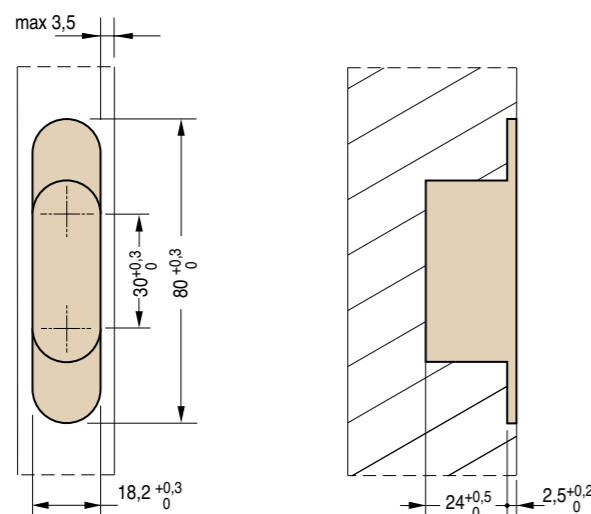
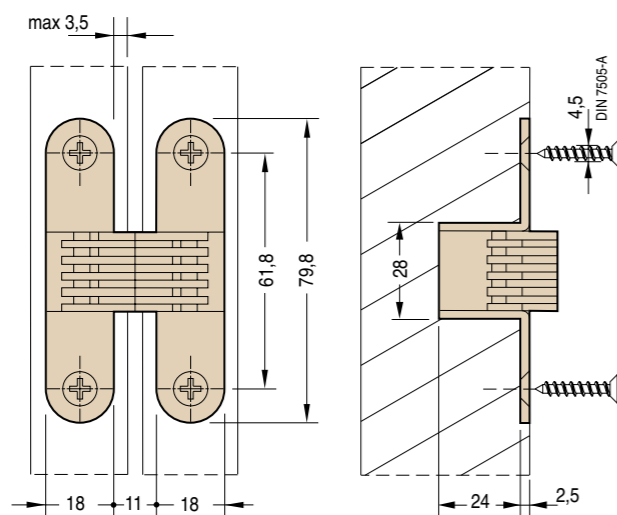
Stahl  
und Zamak

vermessingtem  
vernicheltem  
bronziertem



180°  
180°  
180°

20  
20  
20



Misure della cava  
Slot measurement  
Mesures de l'encoche  
Abmessungen der Aushöhlun

## Dima di foratura - Alluminio

Drilling template - Aluminium  
Gabarit de perçage - Aluminium  
Bohrschablone - Aluminium

Cod. CI00DIMA0 0000

Da combinare con i seguenti inserti a scelta  
To be combined with the following selectable inserts:  
À associer avec les inserts suivants, au choix:  
Zur wahlweisen Kombination mit folgenden Einsätzen:

cod.

insert for:

CI00DIMA00501 501  
CI00DIMA00829 829  
CI00DIMA00804 804

### CARATTERISTICHE:

La dima di foratura - composta da una struttura e due inserti - permette la realizzazione delle cave per l'alloggiamento di cerniere invisibili ed è realizzata in piastre di alluminio dello spessore di 5 mm. La robustezza dei materiali garantisce la precisa esecuzione delle cave realizzate con un pantografo manuale (fresa  $\varnothing$  16 mm e ghiera esterna da 27 mm in dotazione a tutti i pantografi manuali). Per ogni modello di cerniera vengono utilizzati due tipi di inserti (facilmente sostituibili): uno (A) per eseguire la cava di battuta e l'altro (B) per la cava interna di profondità. Completano l'attrezzatura: Aste di prolunga (C) permettono di fissare, tramite un anello di nylon (D), la distanza desiderata delle cave sulla porta - sia destre che sinistre - e sullo stipite.

\* Morsetti di bloccaggio  
Molto importante per il corretto montaggio dell'inserto.  
Il riferimento stampigliato sulla dima e il codice sugli inserti devono essere sullo stesso lato.

### MAIN FEATURES:

The drilling template, which comprises a frame and two inserts, enables implementation of two slots for the invisible hinges, and is made of 5 mm thick aluminium plates. The strength of the materials guarantees precise execution of the slots with a manual pantograph (16 mm diam. cutter and 27 mm external ring provided for all manual pantographs). For each hinge model, two types of insertions (easily replaceable) are used: one (A) to execute the butt slots and the other (B) for the internal depth slot. The equipment is completed with: Extension arms (C) With a nylon ring (D), they allow to establish the desired distance between slots on the door - both left and right - and on the frame.

\* Blocking clamps  
Very important for the correct use and assembly of the insert.  
The reference is printed on the template and the code is printed on the same side of the inserts.

### CARACTÉRISTIQUES:

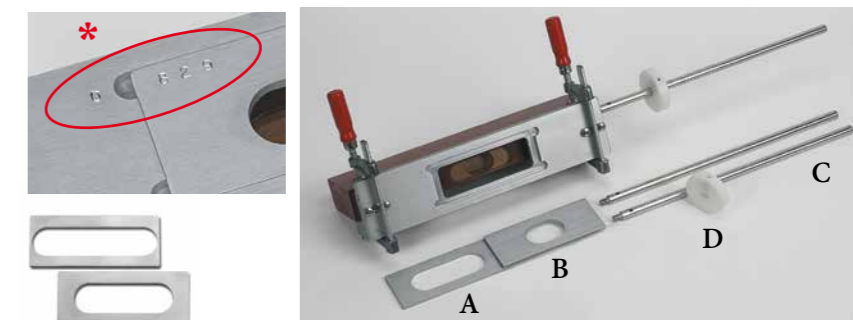
Le gabarit de perçage, composé d'une structure et de deux inserts, permet de réaliser des encoches pour loger les charnières invisibles et il est réalisé en plaques d'aluminium d'une épaisseur de 5 mm. La robustesse des matériaux garantit l'exécution précise des encoches réalisées avec un pantographe manuel (fraise  $\varnothing$  16 mm et bague externe de 27 mm et fournie avec tous les pantographes manuels). Pour chaque modèle de charnière, deux types d'inserts sont utilisés (pouvant être facilement remplacés): l'un (A) pour réaliser l'encoche de ferrure et l'autre (B) pour l'encoche interne de profondeur. L'équipement est complété par: Tiges de rallonge (C) Elles permettent de fixer, à l'aide d'un anneau en nylon (D), la distance souhaitée des encoches sur la porte (droites ou gauches) et sur le montant.

\* Très important pour un montage correct de l'insert. La référence estampillée sur le gabarit et le code sur les inserts doivent être sur le même côté.

### MERKMALE:

Die Bohrschablone - die aus einem Element mit zwei Einsätzen besteht - ermöglicht die Vorbereitung der beiden Aushöhlungen zum Einsatz der unsichtbaren Scharniere und besteht aus einer 5 mm starken Aluminiumplatte. Die stabilen Materialien gewährleisten die präzise Ausführung der Aussparungen mit einer Oberfräse (Fräse  $\varnothing$  16 mm und äußere Überwurfmutter 27 mm im Lieferumfang aller Oberfräsen) Für jedes Scharniermodell werden zwei (einfach austauschbare) Einsätze verwendet. Einsatz (A), um die Aushöhlung des Anschlags und Einsatz (B) um die tiefere innere Aushöhlung auszuführen. Vervollständigt wird die Ausrüstung durch: Verlängerungsstangen (C) Ermöglichen durch einen Nylonring (D) die Fixierung des gewünschten Abstands der Aushöhlung in der Tür - sowohl links als auch rechts öffnend - und im Rahmen.

\* Sehr wichtig zur korrekten Montage des Einsatzes.  
Die auf die Schablone geprägte Nummer und die auf den Einsätzen müssen auf derselben Seite sein.



Cod. CI00DIMA00000

Dima  
Drilling template  
Gabarit  
Schablone



Cod. CI00DIMA00501

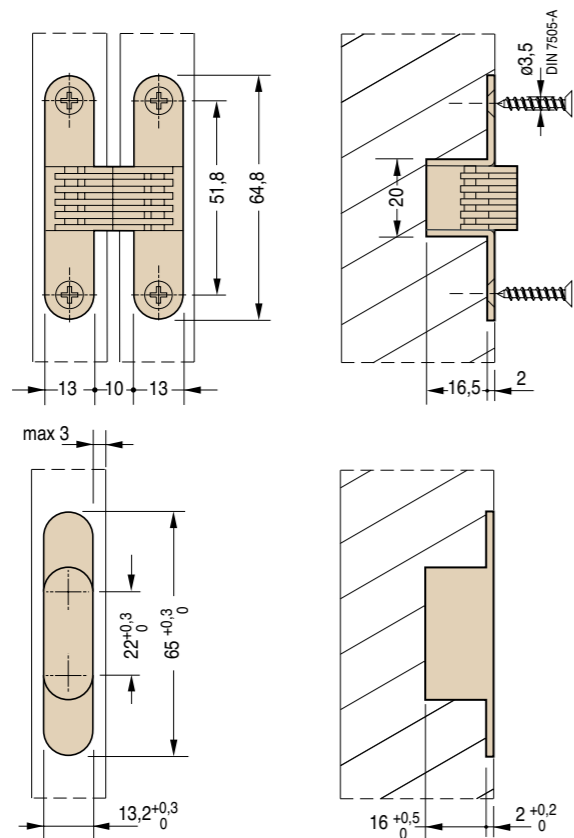
Inserti per 501  
Insert for 501  
Inserts pour 501  
Einsätze für 501



**502**  
mm.64,8x13



cod.	Acciaio	Steel	Acier	Stahl		
CI000502OTT00	ottonato	brass-plated	laitonné	vermessingtem	180°	20
CI000502NIK00	nichelato	nickel-plated	nickelé	vernicheltem	180°	20
CI000502BRO00	bronzato	bronze-plated	bronzé	bronziertem	180°	20

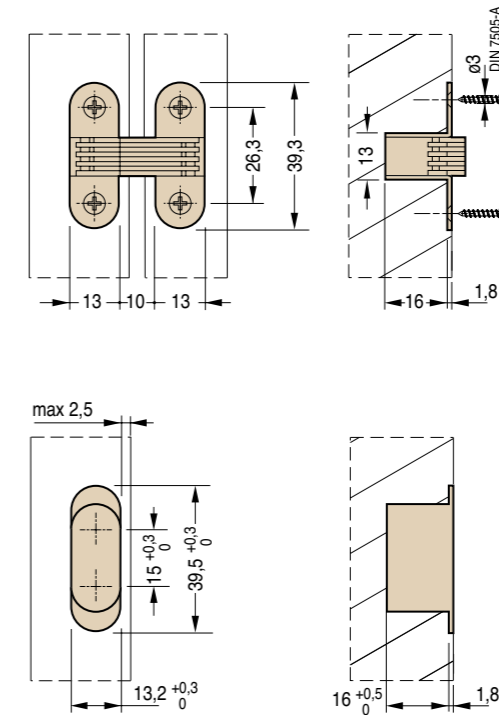


Misure della cava  
Slot measurement  
Mesures de l'encoche  
Abmessungen der Aushöhlung

**504**  
mm.39,3x13



cod.	Acciaio	Steel	Acier	Stahl		
CI000504OTT00	ottonato	brass-plated	laitonné	vermessingtem	180°	20
CI000504NIK00	nichelato	nickel-plated	nickelé	vernicheltem	180°	20
CI000504BRO00	bronzato	bronze-plated	bronzé	bronziertem	180°	20

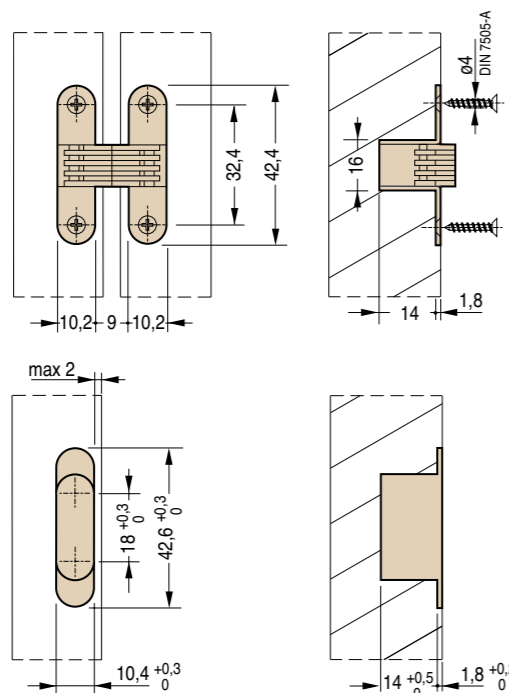


Misure della cava  
Slot measurement  
Mesures de l'encoche  
Abmessungen der Aushöhlung

**503**  
mm.42,4x10



cod.	Acciaio	Steel	Acier	Stahl		
CI000503OTT00	ottonato	brass-plated	laitonné	vermessingtem	180°	20
CI000503NIK00	nichelato	nickel-plated	nickelé	vernicheltem	180°	20
CI000503BRO00	bronzato	bronze-plated	bronzé	bronziertem	180°	20

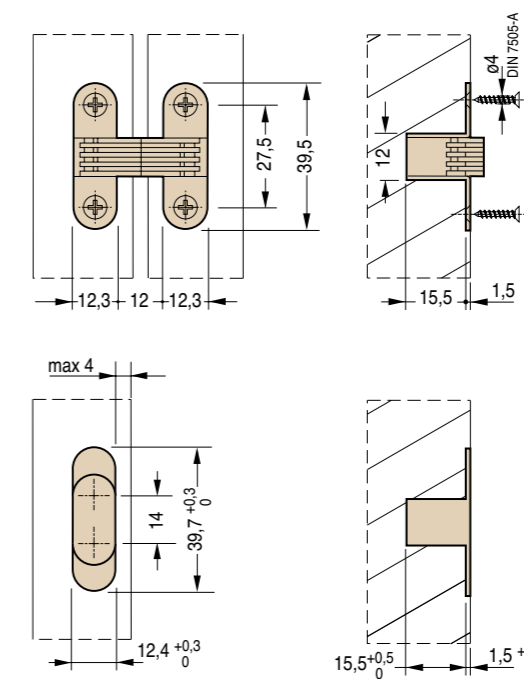


Misure della cava  
Slot measurement  
Mesures de l'encoche  
Abmessungen der Aushöhlung

**497**  
mm.39,5x12



cod.	Acciaio	Steel	Acier	Stahl		
CI000497OTT00	ottonato	brass-plated	laitonné	vermessingtem	180°	20
CI000497NIK00	nichelato	nickel-plated	nickelé	vernicheltem	180°	20
CI000497BRO00	bronzato	bronze-plated	bronzé	bronziertem	180°	20



Misure della cava  
Slot measurement  
Mesures de l'encoche  
Abmessungen der Aushöhlung

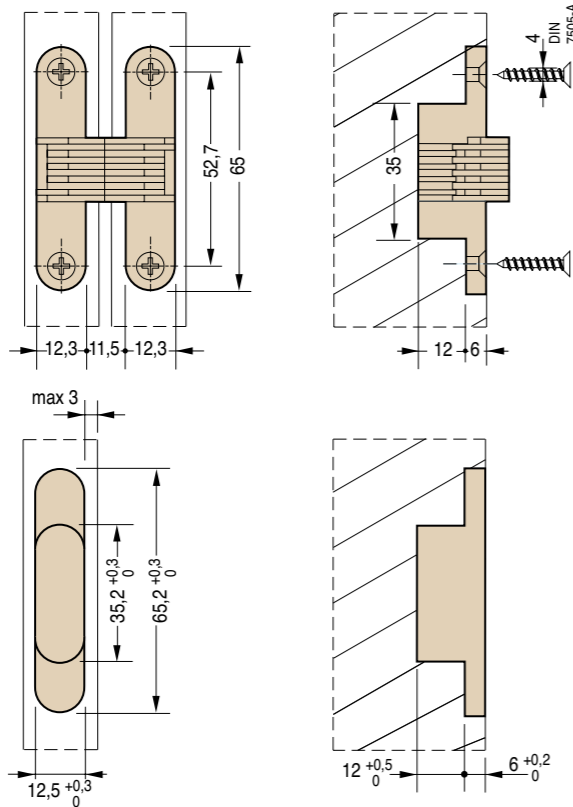
Cerniere invisibili per mobili  
Invisible hinges for furniture

Charnières invisibles pour meubles  
Unsichtbare Scharniere für Möbel

499  
mm.65x12,3



cod.	Acciaio	Steel	Acier	Stahl		
CI000499OTT00	ottonato nylon	brass-plated nylon	laitonnés nylon	vermessingtem nylon	180°	50
CI000499NIK00	nichelato nylon	nickel-plated nylon	nickelés nylon	vernicheltem nylon	180°	50
CI000499BRO00	bronzato nylon	bronze-plated nylon	bronzés nylon	bronziertem nylon	180°	50



Misure della cava  
Slot measurement  
Mesures de l'encoche  
Abmessungen der Aushöhlun

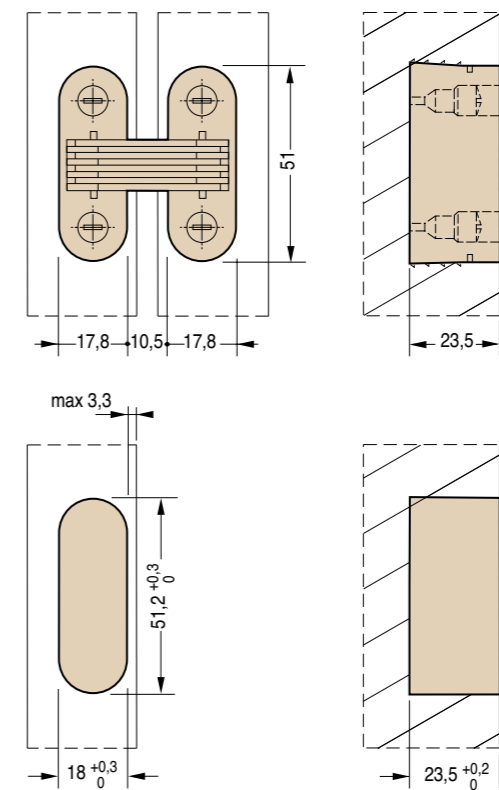
Cerniere invisibili per mobili  
Invisible hinges for furniture

Charnières invisibles pour meubles  
Unsichtbare Scharniere für Möbel

2024  
mm.51x17,8



cod.	Acciaio	Steel	Acier	Stahl		
CI002024MAR00	bronzato nylon marrone	bronze-plated brown nylon	bronzé nylon marron	bronziertem braun nylon	180°	30
CI002024BIA00	zincromato nylon bianco	zinc chromium white nylon	cromé en zinc nylon blanc	zinkverchromten weiss nylon	180°	30



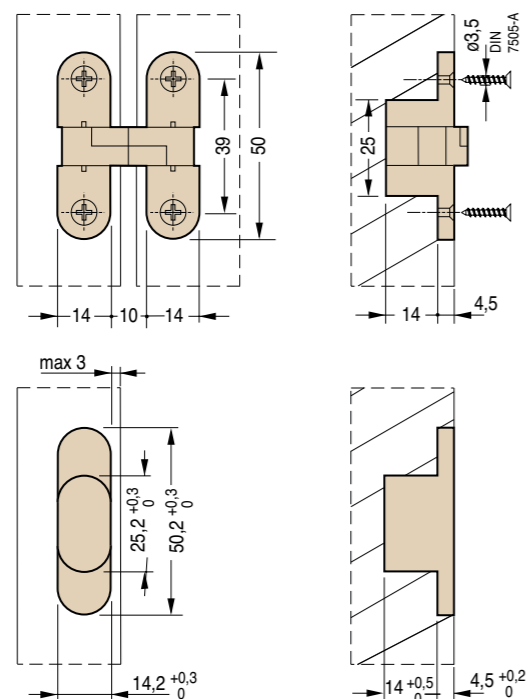
Fissaggio rapido ad espansione  
Expansion fast fastening  
Fixation rapide à expansion  
Schnell Verbindung durch Spreizung

Misure della cava  
Slot measurement  
Mesures de l'encoche  
Abmessungen der Aushöhlun

828  
mm.50x14



cod.	Ottone e zama	Brass and zinc alloy	Laiton et zamak	Messing und zama		
CI000828OTT00	ottonati	brass-plated	laitonnés	vermesingt	180°	20
CI000828NIK00	nichelati	nickel-plated	nickelés	vernicheltem	180°	20
CI000828BRO00	bronzati	bronze-plated	bronzés	bronziert	180°	20

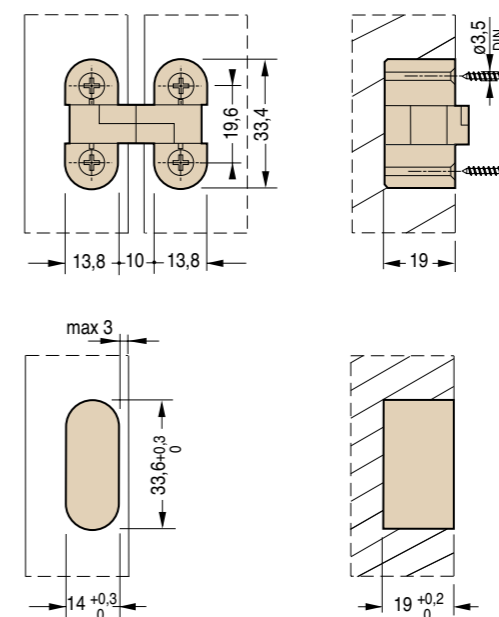


Misure della cava  
Slot measurement  
Mesures de l'encoche  
Abmessungen der Aushöhlun

2022  
mm.33,4x13,8





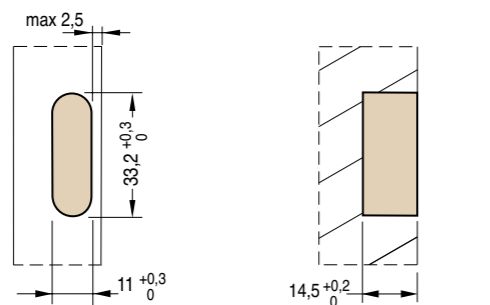
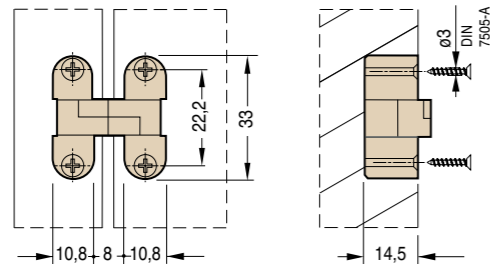
cod.	Ottone	Brass	Laiton	Messing		
CI002022NER00	brunito nylon nero	burnished-plated black nylon	bruni nylon noir	brüniert schwarz nylon	180°	50
CI002022BIA00	nichelato nylon bianco	nickel-plated white nylon	nickelé nylon blanc	vernicheltem weiss nylon	180°	50
CI002022MAR00	bronzato nylon marrone	bronze-plated brown nylon	bronzé nylon marron	bronziertem braun nylon	180°	50



Misure della cava  
Slot measurement  
Mesures de l'encoche  
Abmessungen der Aushöhlun

2025  
mm.33x10,8

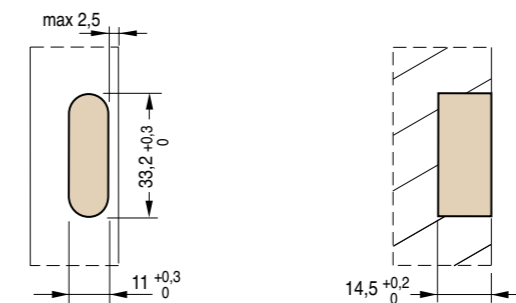
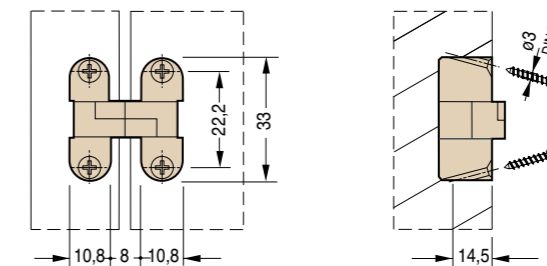
cod.	Ottone	Brass	Laiton	Messing		
CI002025BIA00	nichelato nylon bianco	nickel-plated white nylon	nickelé nylon blanc	vernickeltem weiss nylon	180°	20
CI002025MAR00	bronzato nylon marrone	bronze-plated brown nylon	bronzé nylon marron	bronziertem braun nylon	180°	20
CI002025NER00	brunito nylon nero	burnished-plated black nylon	bruni nylon noir	brüniert schwarz Nylon	180°	20



Misure della cava  
Slot measurement  
Mesures de l'encoche  
Abmessungen der Aushöhlun



2020  
mm.33x10,8

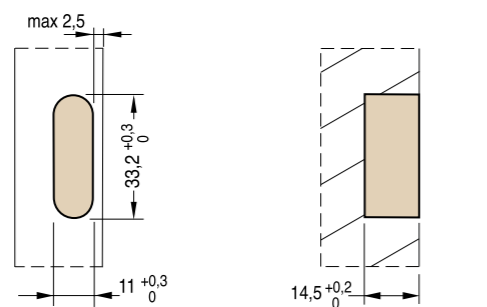
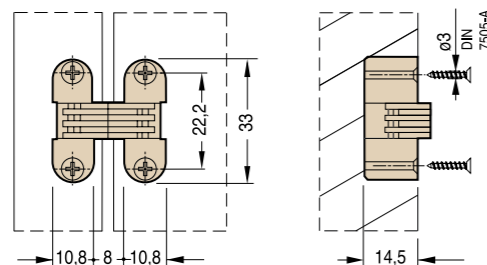
cod.	Ottone	Brass	Laiton	Messing		
CI002020BIA00	nichelato nylon bianco	nickel-plated white nylon	nickelé nylon blanc	vernickeltem weiss nylon	180°	20
CI002020MAR00	bronzato nylon marrone	bronze-plated brown nylon	bronzé nylon marron	bronziertem braun nylon	180°	20
CI002020NER00	brunito nylon nero	burnished-plated black nylon	bruni nylon noir	brüniert schwarz nylon	180°	20



Misure della cava  
Slot measurement  
Mesures de l'encoche  
Abmessungen der Aushöhlun



495  
mm.33x10,8

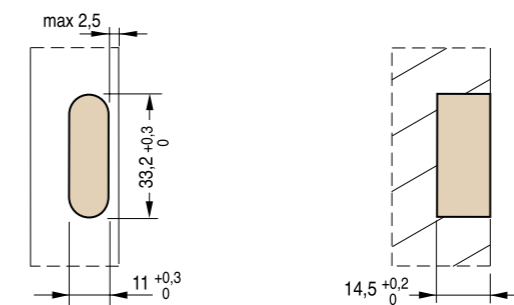
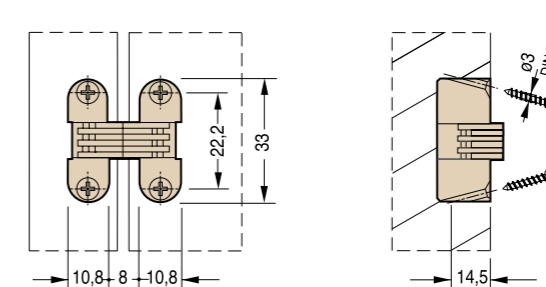
cod.	Acciaio	Steel	Acier	Stahl		
CI000495BIA00	zincocromato nylon bianco	zinc chromium plated white nylon	cromé en zinc nylon blanc	zinkverchromten weiss nylon	180°	50
CI000495MAR00	bronzato nylon marrone	bronze-plated brown nylon	bronzé nylon marron	bronziertem braun nylon	180°	50



Misure della cava  
Slot measurement  
Mesures de l'encoche  
Abmessungen der Aushöhlun

496  
mm.33x10,8

cod.	Acciaio	Steel	Acier	Stahl		
CI000496BIA00	zincocromato nylon bianco	zinc chromium plated white nylon	cromé en zinc nylon blanc	zinkverchromten weiss nylon	180°	50
CI000496MAR00	bronzato nylon marrone	bronze-plated brown nylon	bronzé nylon marron	bronziertem braun nylon	180°	50



Misure della cava  
Slot measurement  
Mesures de l'encoche  
Abmessungen der Aushöhlun

492  
mm.Ø12



493  
mm.Ø14



494  
mm.Ø16

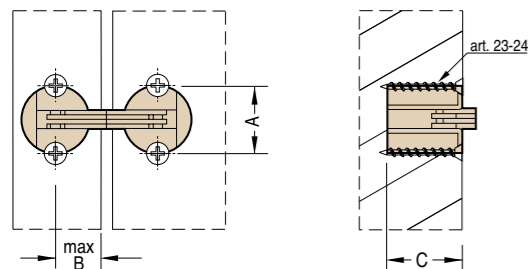


498  
mm.Ø18



cod.	Acciaio zincocromato	Steel and zinc alloy	Chromé en zinc acier	Zinkverchromten Stahl		
CI000492BIA00	nylon bianco	white nylon	nylon blanc	weiss nylon	180°	50
CI000493BIA00	nylon bianco	white nylon	nylon blanc	weiss nylon	180°	50
CI000494BIA00	nylon bianco	white nylon	nylon blanc	weiss nylon	180°	50
CI000498BIA00	nylon bianco	white nylon	nylon blanc	weiss nylon	180°	50

cod.	Acciaio bronzato	Steel bronzed	Acier bronzé	Bronziertem Stahl		
CI000492MAR00	nylon marrone	brown nylon	nylon marron	braun nylon	180°	50
CI000493MAR00	nylon marrone	brown nylon	nylon marron	braun nylon	180°	50
CI000494MAR00	nylon marrone	brown nylon	nylon marron	braun nylon	180°	50
CI000498MAR00	nylon marrone	brown nylon	nylon marron	braun nylon	180°	50



	A	B	C
Art. 492	12	8	14
Art. 493	14	9,5	16,5
Art. 494	16	11	18,3
Art. 498	18	12	20

23  
mm.Ø3x20



24  
mm.Ø2,3x15



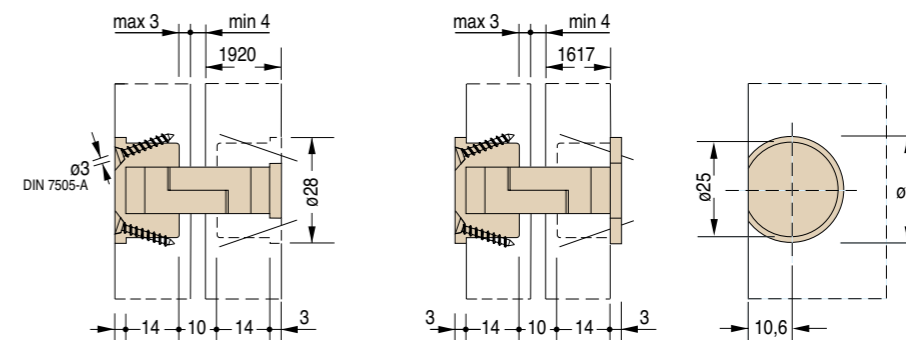
cod.	Acciaio	Steel	Acier	Stahl
23 → 498 VI000023ZNB00	zincocromato	zinc chromium	cromé en zinc	zinkverchromtenn
23 → 493 VI000023ZNB00	zincocromato	zinc chromium	cromé en zinc	zinkverchromtenn
23 → 494 VI000023ZNB00	zincocromato	zinc chromium	cromé en zinc	zinkverchromtenn
24 → 492 VI000024ZNB00	zincocromato	zinc chromium	cromé en zinc	zinkverchromtenn

cod.	Acciaio	Steel	Acier	Stahl
23 → 498 VI000023BRO00	bronzato	bronze-plated	bronzé	bronziertem
23 → 493 VI000023BRO00	bronzato	bronze-plated	bronzé	bronziertem
23 → 494 VI000023BRO00	bronzato	bronze-plated	bronzé	bronziertem
24 → 492 VI000024BRO00	bronzato	bronze-plated	bronzé	bronziertem

2000  
mm.Ø25x14



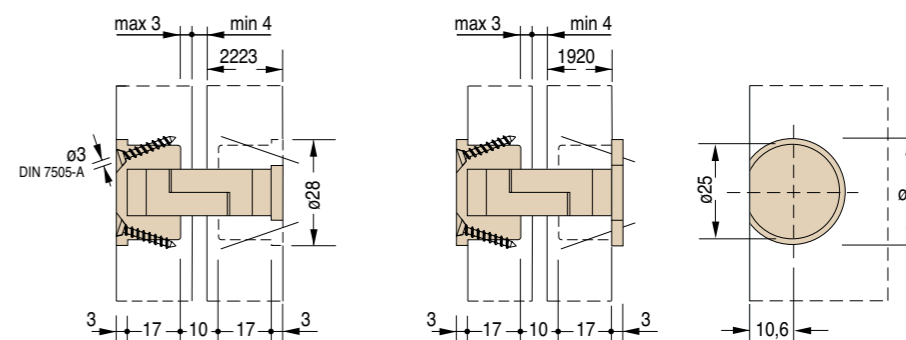
cod.	Ottone	Brass	Laiton	Messing		
CI002000BIA00	nichelato nylon bianco	nickel-plated white nylon	nickelé nylon blanc	vernicheltem weiss nylon	180°	50
CI002000MAR00	bronzato nylon marrone	bronze-plated brown nylon	bronzé nylon marron	bronziertem braun nylon	180°	50
CI002000NER00	brunito nylon nero	burnished-plated black nylon	bruni nylon noir	brüniert schwarz nylon	180°	50



2001  
mm.Ø25x17



cod.	Ottone	Brass	Laiton	Messing		
CI002001BIA00	nichelato nylon bianco	nickel-plated white nylon	nickelé nylon blanc	vernicheltem weiss nylon	180°	50
CI002001MAR00	bronzato nylon marrone	bronze-plated brown nylon	bronzé nylon marron	bronziertem braun nylon	180°	50
CI002001NER00	brunito nylon nero	burnished-plated black nylon	bruni nylon noir	brüniert schwarz nylon	180°	50

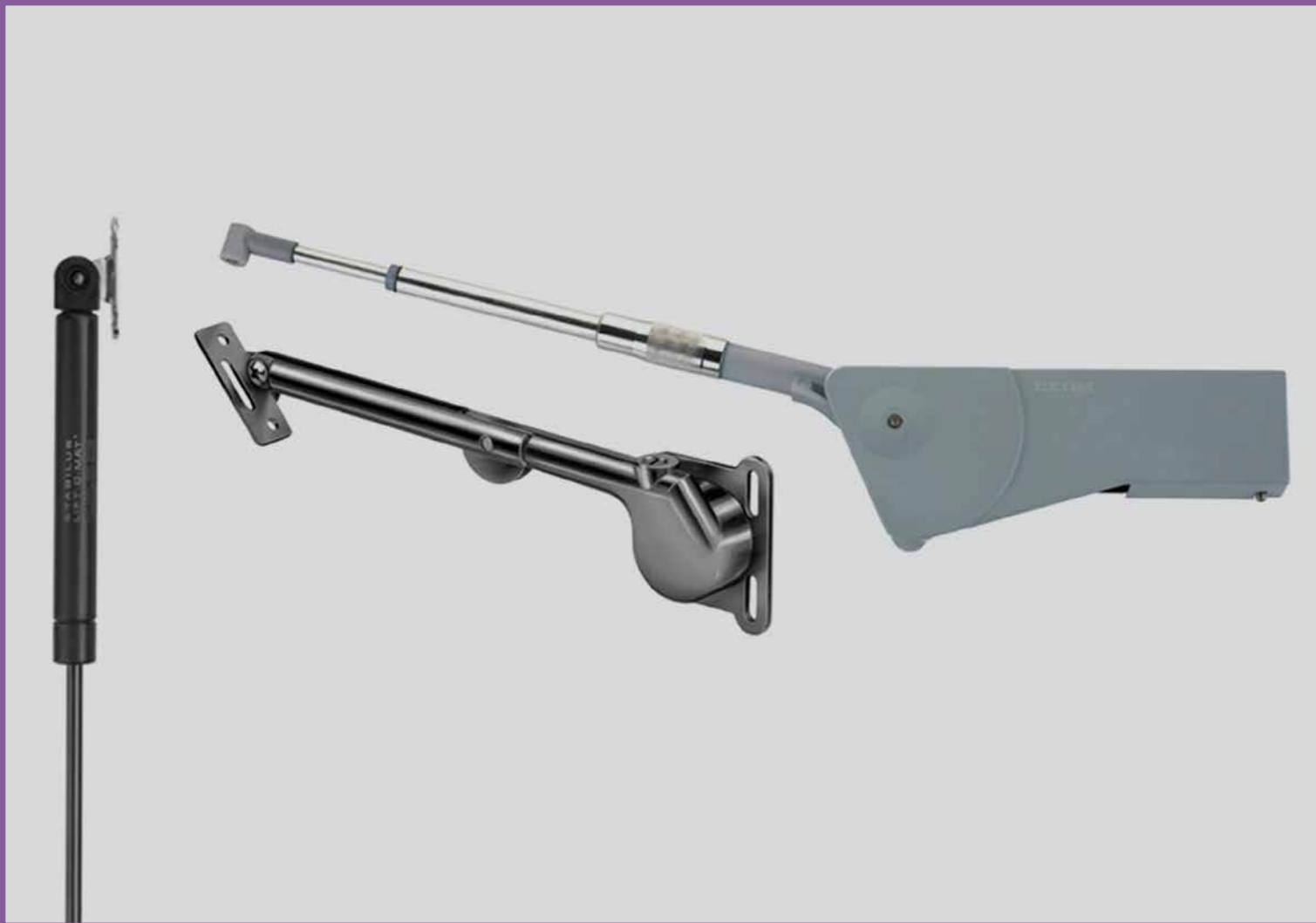


Si possono usare legni con spessori intermedi incassando parzialmente la corona di testa.

Woods with intermediate thickness can be used embedding partly the upper protrusion/part.

On peut utiliser des bois intermédiaires mais il faut emboîter partiellement la couronne de tête.

Man kann Holzstücke mittlerer Dicke benutzen, indem man nur Teilweise des oberen Vorsprungs versenkt.



Movimenti per ante  
 Wing movements  
 Mouvements des portes  
 Bewegung der Türen



Cod. 540 Pag. 30    Cod. 600 Pag. 34    Cod. 121 Pag. 33    Cod. 621 Pag. 36    Cod. 622 Pag. 37    Cod. 534 Pag. 32    Cod. 542 Pag. 32



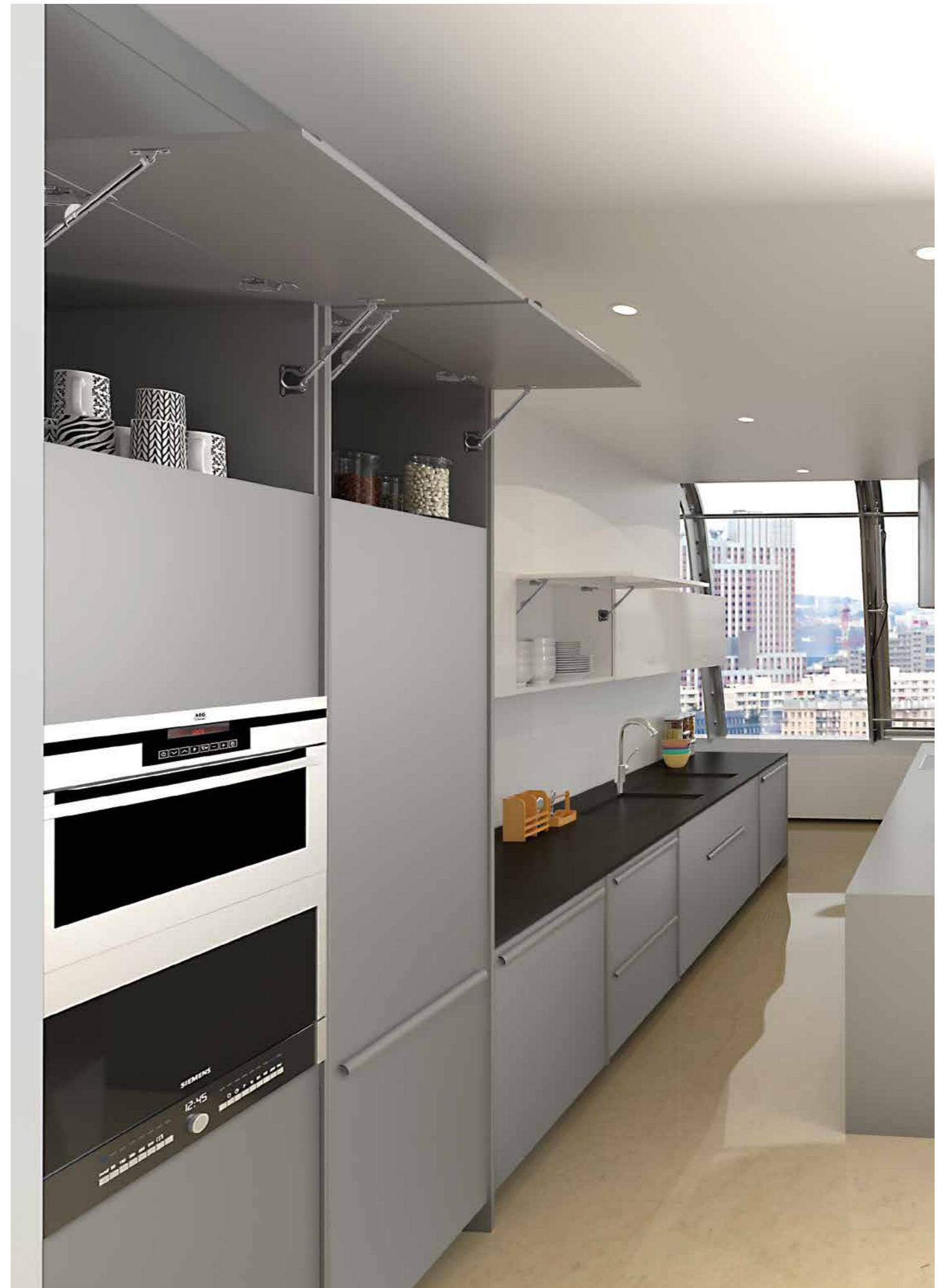
Cod. 3040 Pag. 39    Cod. 3030 Pag. 38    Cod. 2030 Pag. 39



Cod. 3020 Pag. 40    Cod. 2040 Pag. 40    Cod. 2070 Pag. 41    Cod. 0510 Pag. 42



Cod. 2050 Pag. 43    Cod. 0506 Pag. 44    Cod. 508 Pag. 45





La soluzione innovativa per l'apertura verticale delle ante a libro:

- Ideale per altezze delle ante da 500 a 800 mm
- Assicura l'apertura agevolata e la chiusura ammortizzata
- Facile da montare
- Utilizzabile per ante in legno o alluminio
- Permette il montaggio della maniglia in qualsiasi posizione
- Facilita l'inserimento dei ripiani nel mobile.

Innovative solution to open vertical folding wings:

- Perfect suited for wings height from 500 to 800 mm
- Very smooth opening and soft closing
- Easy installation
- Suitable for wooden and aluminium wings it allows handle installation in every position
- Very easy shelves introduction in the furniture

Une solution novatrice pour l'ouverture verticale des portes en accordéon:

- Idéale pour des portes de 500 à 800 mm de haut
- Assure une ouverture facile et une fermeture amortie
- Facile à monter
- Peut être utilisée sur des portes en bois ou en aluminium
- Permet le montage de la poignée en toute position
- Facilite la mise en place des étagères dans le meuble

Die innovative Lösung der vertikalen Klappöffnung der Türen:

- Ideal für Türen mit einer Höhe von 500 bis 800 mm
- Gewährleistet leichtes Öffnen und gedämpftes Schließen
- Problemlose Montage
- Anwendbar für Türen aus Holz oder Aluminium
- Ermöglicht die Montage des Türgriffes an jeder beliebigen Stelle
- Erleichtert das Einfügen der Fächerböden in das Möbel

## 540

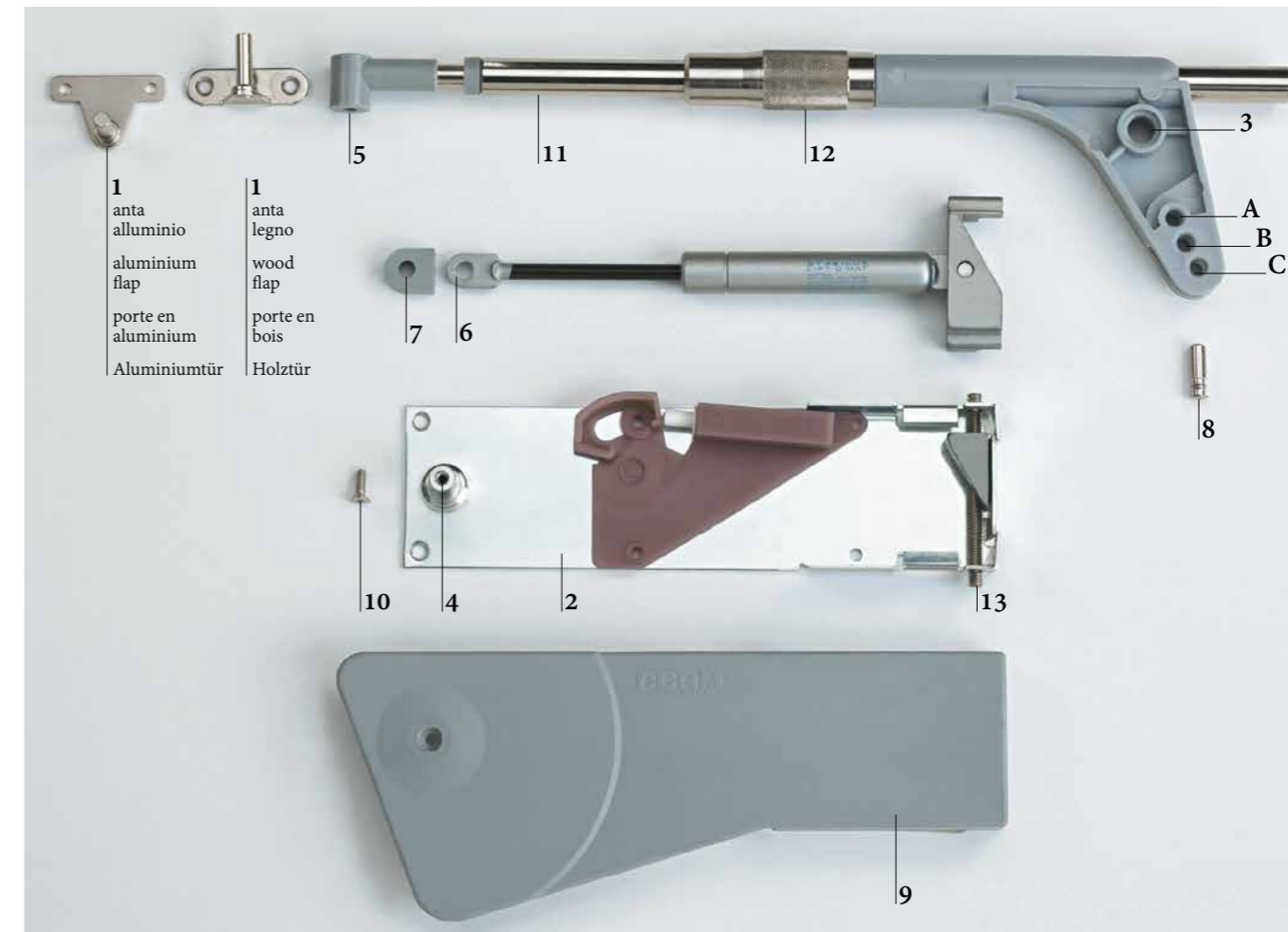
Attacco per anta legno  
Fitting for wood flap  
Fixation pour porte en bois  
Anschluss für Holztür

L tubo	Dx	Sx		
250	MA540D4AGRI00	MA540S4AGRI00	90°	1
310	MA540D4BGRI00	MA540S4BGRI00	90°	1
360	MA540D4CGRI00	MA540S4CGRI00	90°	1

## 540 AL

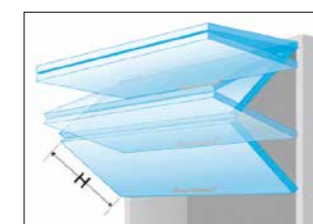
Attacco per anta alluminio  
Fitting for aluminium flap  
Fixation pour porte en aluminium  
Anschluss für Aluminiumtür

L tubo	Dx	Sx		
250	MA540D4AGRIAL	MA540S4AGRIAL	90°	1
310	MA540D4BGRIAL	MA540S4BGRIAL	90°	1
360	MA540D4CGRIAL	MA540S4CGRIAL	90°	1



1 meccanismo  
1 mechanism  
1 mécanisme  
1 Mechanismus

2 meccanismo  
2 mechanism  
2 mécanismes  
2 Mechanismen



Per altezza ante (H) si intende la singola anta (es.: altezza anta 300, altezza mobile 600). Il peso comprende entrambe le ante e tutta la ferramenta ad esse montata. Il numero in tabella indica la posizione del foro di fissaggio del pistone (vedi disegno).

Altezza anta Height of furniture doors Hauteur de la porte Türhöhe H mm	Peso anta Kg	Weight of furniture doors Kg	Poids de la porte Kg	Türgewicht Kg							
	5	6	7	8	9	10	11	12	13	14	15
250	B	C		A		B					
300	B	C	A			B		B			
350	C										
400	A		B			C					

By furniture-doors' height (H) we mean the single door (for example door's height 300, piece of furniture's height 600). The weight includes both furniture doors and all the furniture hardware. The number in the table shows the position of the fixing hole of the piston (see drawing).

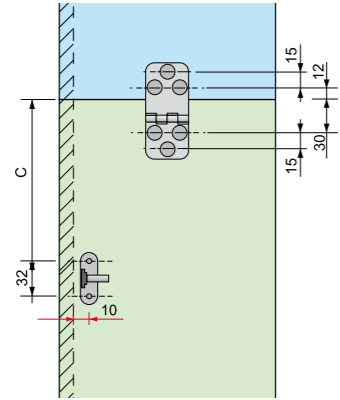
Par hauteur des portes (H) on entend une seule porte (par ex. : hauteur de la porte 300, hauteur du meuble 600). Le poids comprend les deux portes et toutes les ferrures montées sur celle-ci. Le numéro dans le tableau indique la position du trou de fixation du piston (voir schéma).

Die Türhöhe (H) bezieht sich auf die einzelne Tür (Beispiel: Höhe der Tür 300, Höhe des Möbels 600). Im Gewicht sind beide Türen und der gesamte aufmontierte Beschlag inbegriffen. Die Nummer in der Tabelle gibt die Stelle der Bohrung zur Befestigung des Kolbens an (siehe Zeichnung).

# 534



cod.	mm	Acciaio	Steel	Acier	Stahl	
MA000534NIK00	40x87	nichelato	nickel-plated	nickelé	vernicheltem	2

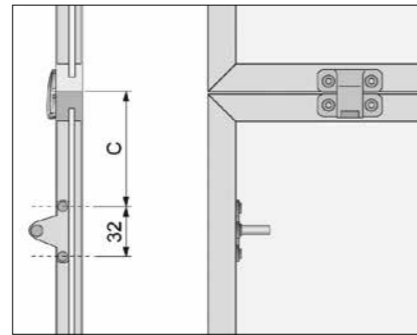
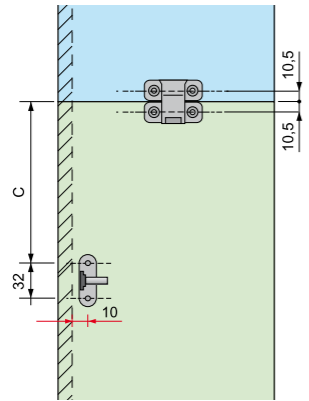


per ante in legno  
for wooden doors  
Pour porte en bois  
Für Holztür

# 542



cod.	mm	Zama	Zama	Zamak	Zama	
MA000542NIK00	46x40	nichelata	nickel-plated	nickelé	vernickelt	2



per ante in legno o alluminio  
for wooden or aluminium doors  
Pour porte en bois ou aluminium  
Für Holz- oder Aluminiumtür

# 121

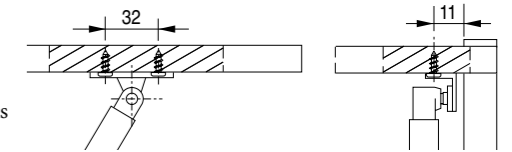
cod.	cod.	F <sub>1</sub> (N)	
PG012108BIA00	PG012108NER00	80	10
PG012110BIA00	PG012110NER00	100	10
PG012112BIA00	PG012112NER00	120	10

# 121AL

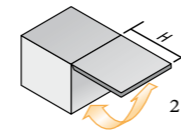
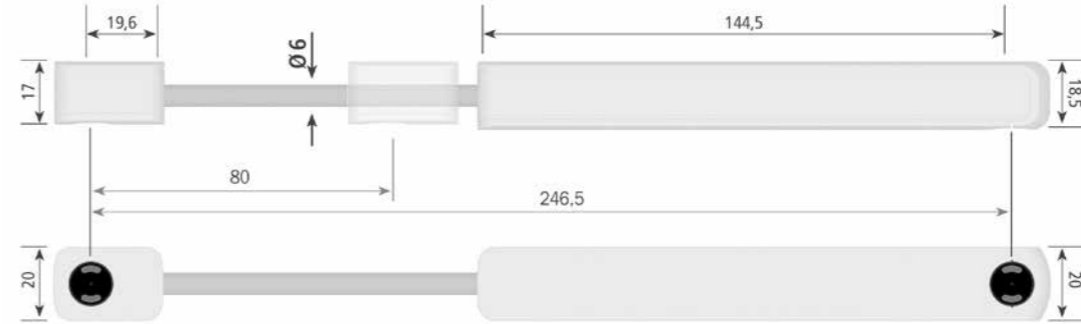
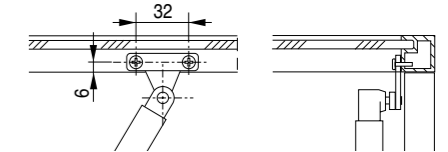
cod.	cod.	F <sub>1</sub> (N)	
PG012108BIAAL	PG012108NERAL	80	10
PG012110BIAAL	PG012110NERAL	100	10
PG012112BIAAL	PG012112NERAL	120	10



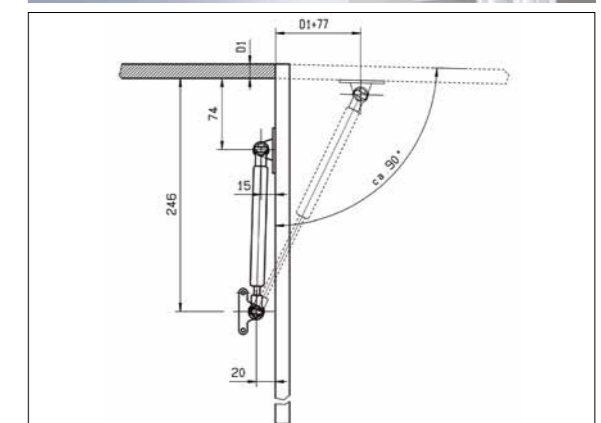
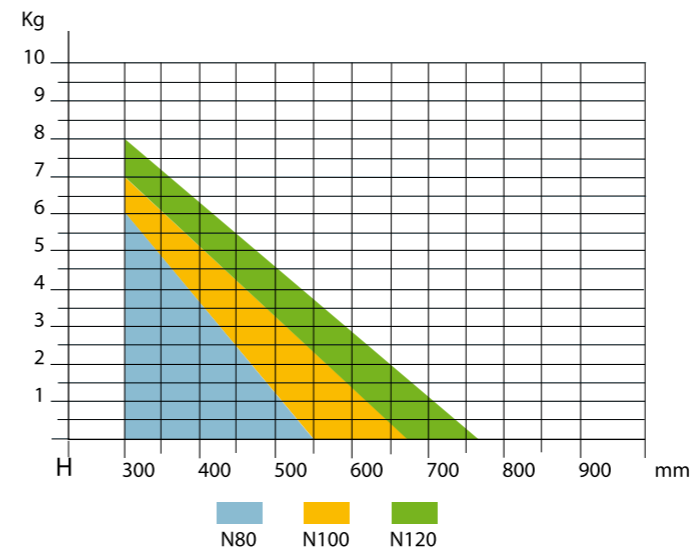
Attacco per ante in legno  
Fitting for wood flap  
Attache pour volet en bois  
Anschluss für Holz Tür



Attacco per ante in alluminio  
Fitting for aluminium flap  
Attache pour volet en aluminium  
Anschluss für Alu Tür



2 pistoni - 2 pistons - 2 pistons - 2 Daempfern



### Anta - Furniture doors - Porte - Tür

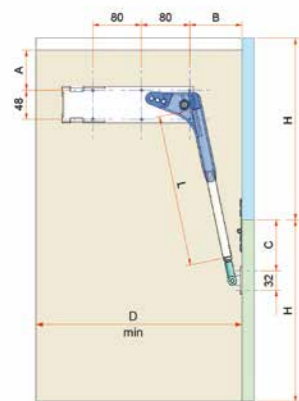
H mm	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400
A	41	46	51	56	61	66	71	76	81	86	91	96	101	106	111	116
B	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106
C	59	64	69	74	79	84	89	94	99	104	109	114	119	124	129	134
D	290	295	295	300	300	300	305	305	310	310	315	315	315	320	320	320
L	250	250	250	250	250	250	310	310	310	310	310	360	360	360	360	360

### Anta legno - Wood flap - Porte en bois - Holztür

Cod dx	MA540D4AGRI00	MA540D4BGRI00	MA540D4CGRI00
Cod sx	MA540S4AGRI00	MA540S4BGRI00	MA540S4CGRI00

### Anta alluminio - Aluminium flap - Porte en aluminium - Aluminiumtür

Cod dx AL	MA540D4AGRIAL	MA540D4BGRIAL	MA540D4CGRIAL
Cod sx AL	MA540S4AGRIAL	MA540S4BGRIAL	MA540S4CGRIAL



## 600 - 601 - 602

Attacco per anta legno  
Fitting for wood flap  
Fixation pour porte en bois  
Anschluss für Holztür

Acciaio e zama nichelati	Steel and zinc alloy, nickel-plated	Acier et zamak, nickelé	Stahl und Zama, vernickelt
Dx	Sx		
SF00600DNIK00	SF00600SNIK00	90°	10
SF00601DNIK00	SF00601SNIK00	90°	10
SF00602DNIK00	SF00602SNIK00	90°	10

## 600AL 601AL 602AL

Attacco per anta alluminio  
Fitting aluminium flap  
Fixation pour porte en aluminium  
Anschluss für Aluminiumtür

Acciaio e zama nichelati	Steel and zinc alloy, nickel-plated	Acier et zamak, nickelé	Stahl und Zama, vernickelt
Dx	Sx		
SF00600DNIKAL	SF00600SNIKAL	90°	10
SF00601DNIKAL	SF00601SNIKAL	90°	10
SF00602DNIKAL	SF00602SNIKAL	90°	10

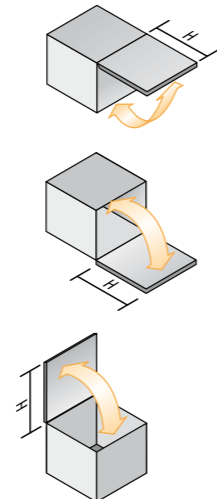
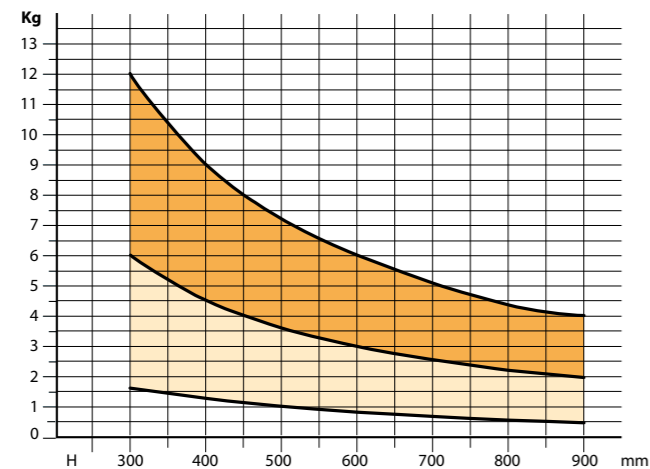


Vite di regolazione  
Adjusting screw  
Vis de réglage  
Einstellschraube

Dimensioni di applicazione - Application dimensions - Dimensions d'application - Einbaumaß

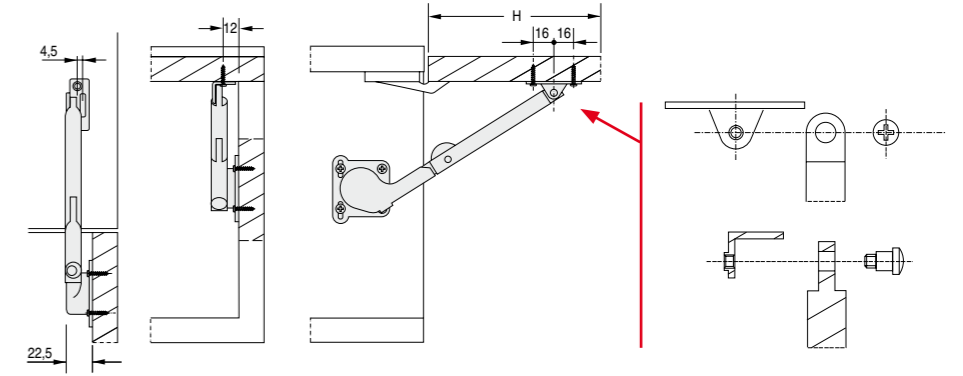
1 snodo frenante  
1 braking joint  
1 bras auto-bloquant  
1 Klappenbremsen

2 snodi frenanti  
2 braking joints  
2 bras auto-bloquants  
2 Klappenbremsen



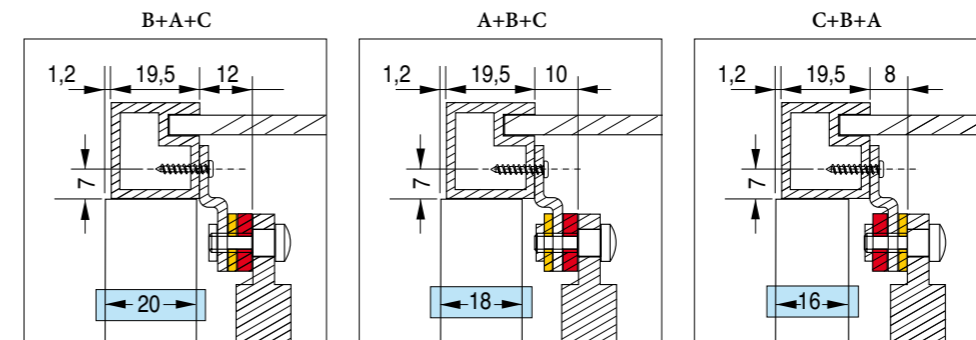
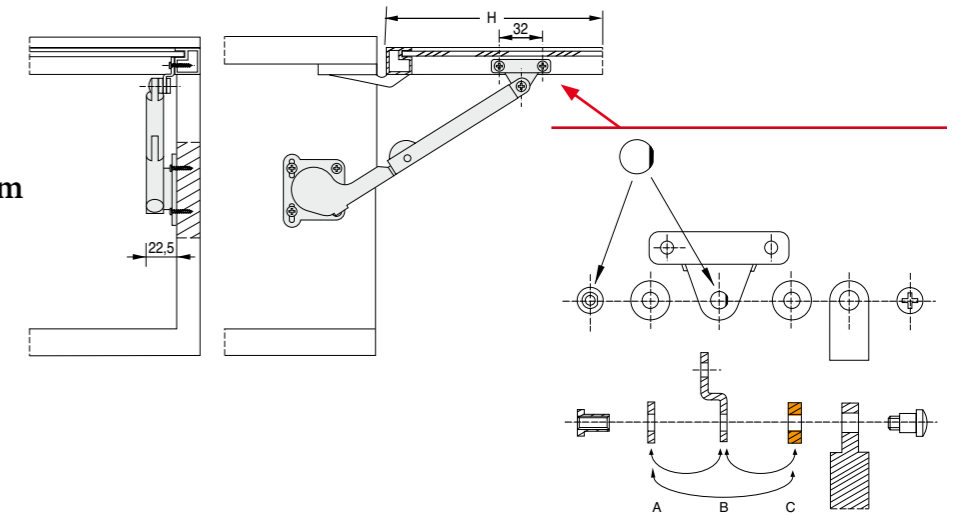
## 600

Attacco per anta in legno  
Fitting for wood flap  
Attache pour volet en bois  
Anschluss für Holz Tür

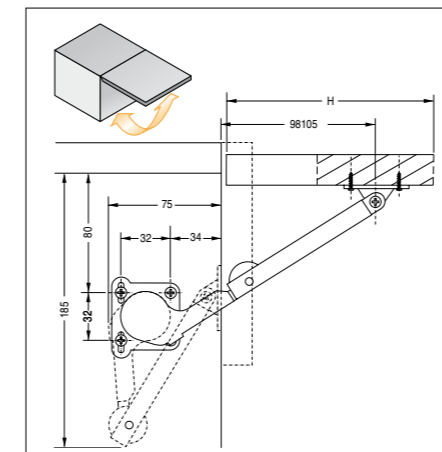


## 600AL

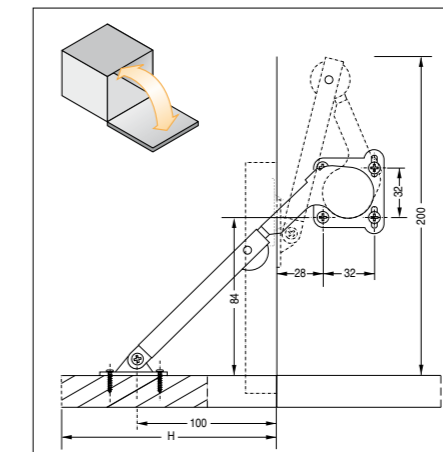
Attacco per anta in alluminio  
Fitting aluminium flap  
Attache pour volet en aluminium  
Anschluss für Alu Tür



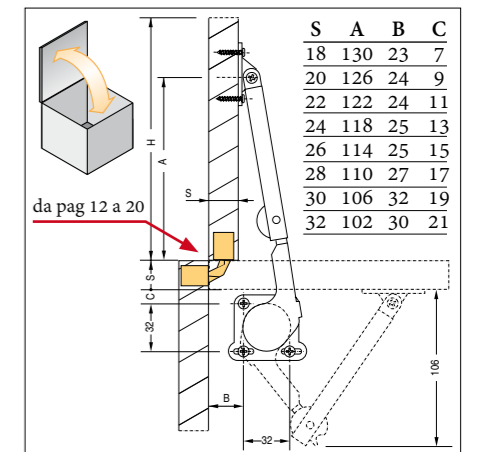
## 600



## 601

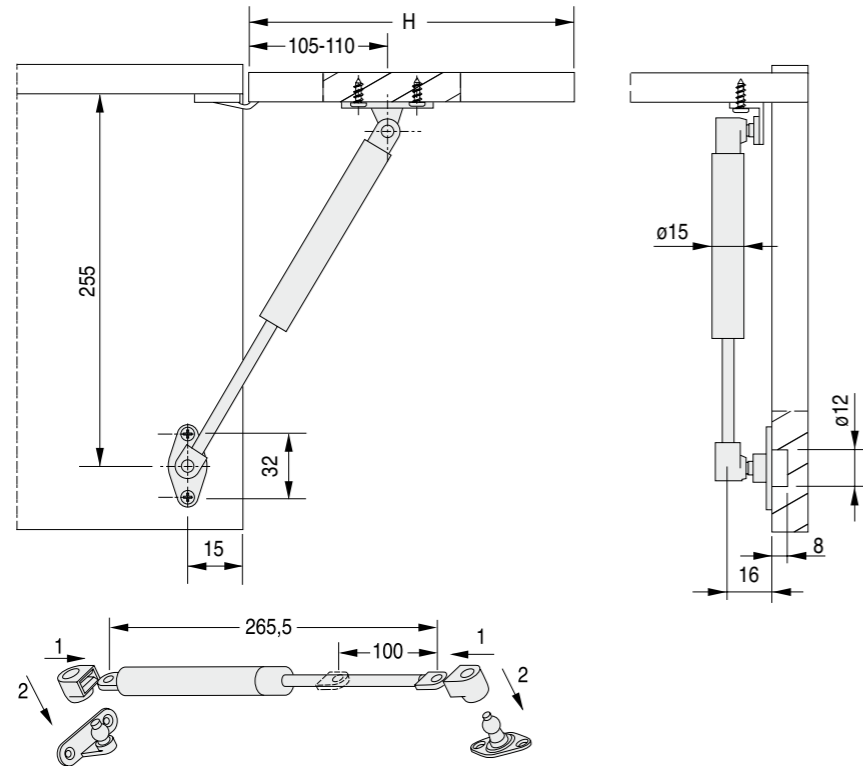


## 602

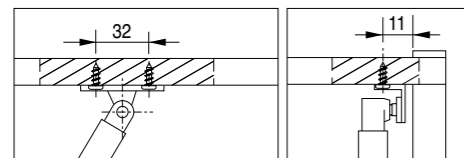


# 621

Cilindro acciaio verniciato nero Stell cylinder black painted Cylindre acier verni noir Schwarz lackiert stahl Zylinder cod.			Cilindro acciaio verniciato argento Stell cylinder silver painted Cylindre acier verni argent Silber lackiert stahl Zylinder cod.		
621	100/N	PG062110NER00	PG062110ARG00	90°	30
	150/N	PG062115NER00	PG062115ARG00	90°	30
621AL	100/N	PG062110NERAL	PG062110ARGAL	90°	30
	150/N	PG062115NERAL	PG062115ARGAL	90°	30

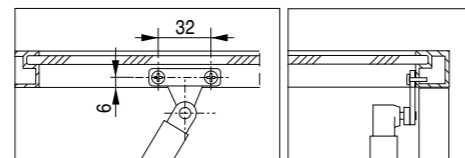


Attacco per ante in legno  
Fitting for wood flap  
Attache pour volet en bois  
Anschluss für Holz Tür



100/N

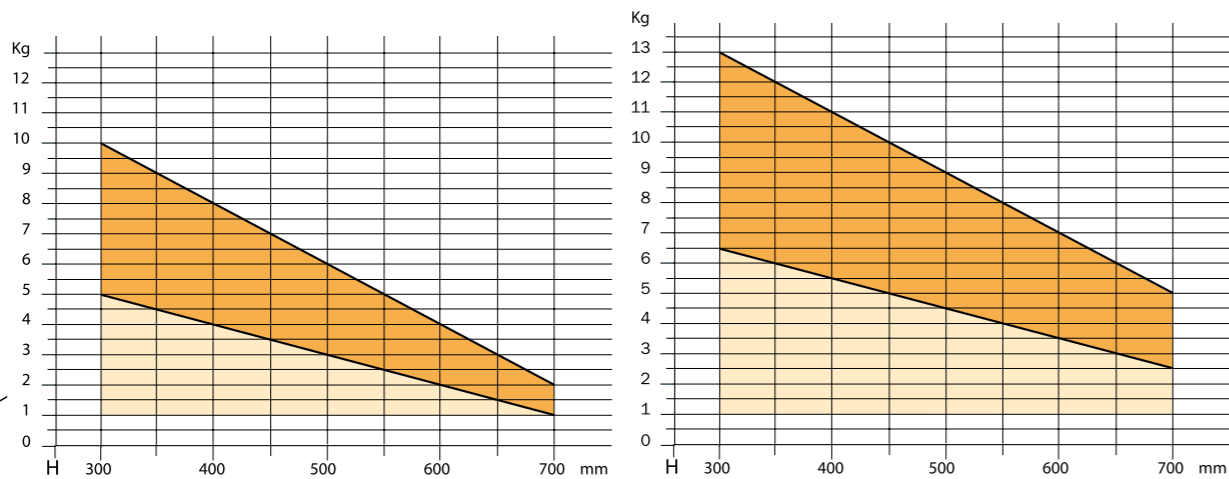
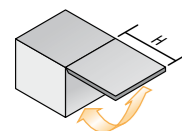
Attacco per ante in alluminio  
Fitting for aluminium flap  
Attache pour volet en aluminium  
Anschluss für Alu Tür



150/N

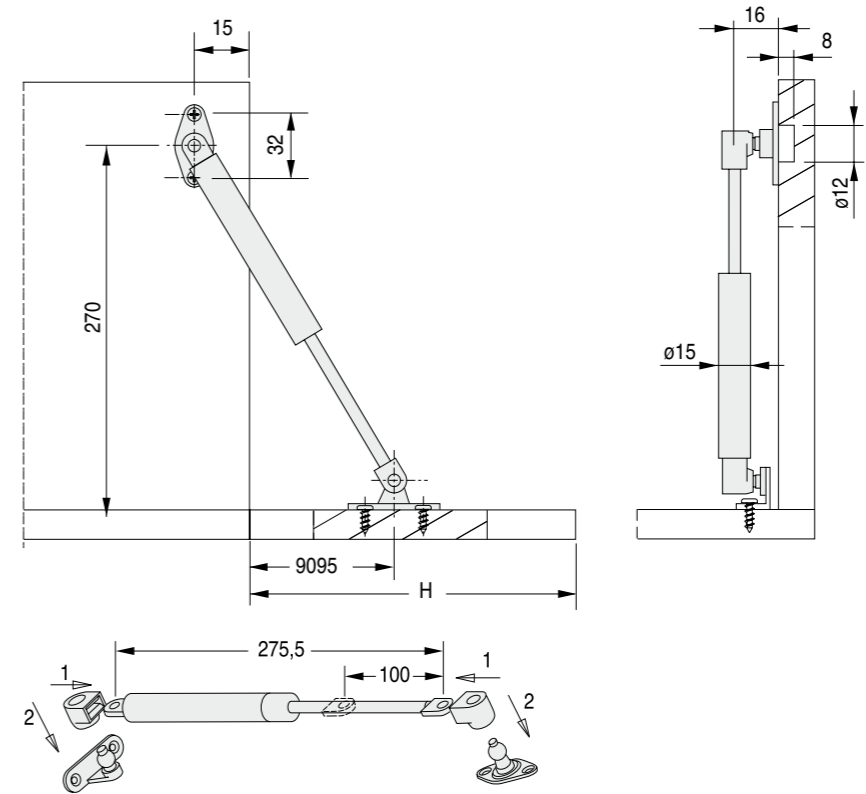
- 1 pistone
- 1 piston
- 1 piston
- 1 Daempfer

- 2 pistoni
- 2 pistons
- 2 pistons
- 2 Daempfern

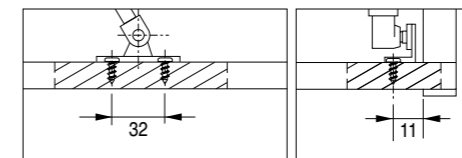


# 622

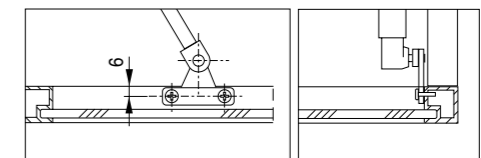
Cilindro acciaio verniciato argento Stell cylinder silver painted Cylindre acier verni argent Silber lackiert stahl Zylinder cod.			
622	PG062215ARG00	90°	30
622AL	PG062215ARGAL	90°	30



Attacco per ante in legno  
Fitting for wood flap  
Attache pour volet en bois  
Anschluss für Holz Tür

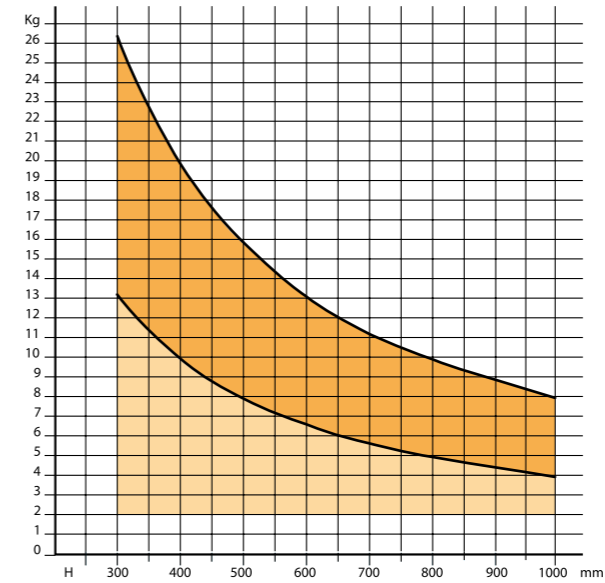
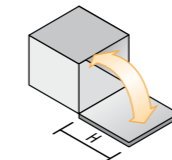


Attacco per ante in alluminio  
Fitting for aluminium flap  
Attache pour volet en aluminium  
Anschluss für Alu Tür



- 1 pistone
- 1 piston
- 1 piston
- 1 Daempfer

- 2 pistoni
- 2 pistons
- 2 pistons
- 2 Daempfern



Movimenti per ante  
Wing movements

Mouvements des portes  
Bewegung der Türen

Componi il tuo codice:

In una tabella sono racchiuse tutte le caratteristiche costruttive: materiali, dimensioni, finiture, colori, numero di pezzi nella confezione. Abbiamo realizzato questa rappresentazione nell'ottica di realizzare l'ordine.

Ecco un esempio:

- Scelto l'articolo in funzione delle vostre necessità tecnico/estetiche
- Si scelgono le misure ottimali per la vostra applicazione
- Attacco destro o sinistro
- Colore del materiale
- Piedino

Quindi con queste esigenze, componiamo il codice:

AT0 | 3063 | S | NIK | 00 |

AT0 = Asta con calamita

3063 = Articolo con relative dimensioni

S = Sinistro

NIK = Nichelato

00 = Piedino normale

Create your code:

All construction characteristics are indicated in a table: materials, dimensions, finishes, colours, number of pieces in the pack. We created this representation in order to rationalise the order.

Here's an example:

- Choose the article in function your technical/aesthetical nees
- The best measurements are chosen for yuor application
- Right and left attachment
- Colour of the material
- Foot

With these requirements, we compose the code:

AT0 | 3063 | S | NIK | 00 |

AT0 = Pole with magnet

3063 = Article with related dimensions

S = Left

NIK = Nickel

00 = Normal foot

Composez votre code:

Dans une table sont rassemblées toutes les caractéristiques de fabrication : matériaux, dimensions, finitions, coloris, nombre de pièces par emballage. Nous avons réalisé cette représentation en vue d'un passage de commande.

Voici un exemple:

- Après avoir choisi l'article en fonction de vos nécessités techniques/esthétiques
- vous choisissez les mesures optimales pour votre application
- Attache droite ou gauche
- Couleur du matériau
- Pied

Ensuite, sur la base de ces exigences, le code est composé

AT0 | 3063 | S | NIK | 00 |

AT0 = Tige aimantée

3063 = Article avec ses dimensions

S = Gauche

NIK = Nickelé

00 = Pied normal

Setzen Sie Ihren Artikel-Code zusammen:

Alle Konstruktionsmerkmale sind in einer Tabelle angeführt, wie: Material, Maße, Oberflächenbearbeitung, Farbe, Stückzahl pro Packung. Diese Darstellung soll dazu dienen, die Bestellung zu erleichtern. Beispielsweise:

- Wahl des Artikels auf Grundlage Ihrer technischen/optischen Erfordernisse
- Wahl der optimalen Maße für Ihre Anwendung
- Montage rechts oder links
- Farbe des Materials
- Möbelfüße

Anhand dieser Erfordernisse stellen wir den Artikel-Code zusammen

AT0 | 3063 | S | NIK | 00 |

AT0 = Magnetstange

3063 = Artikel in den entsprechenden Maßen

S = Links

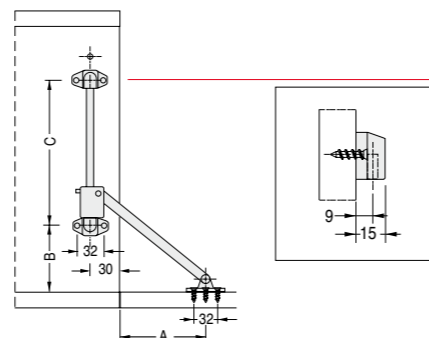
NIK = Vernickelt

00 = Normale Möbelfüße

Acciaio nichelato  
Nickel-plated steel  
Acier nickelé  
Vernickeltem Stahl



	A	B	C	D	S	MAR	Nylon BIA	NER	Norm 00	M6 M6	
				DX	SX	Marrone Brown Marron Braun	Bianco White Blanc Weiss	Nero Black Noir Schwarz			
3030	98	54	192								25
3031	124	86	224								
3032	137	86	256								



- Per aumentare il freno, allentare la vite.  
Loosen the screw, in order to increase the brake.  
Pour augmenter l'effet du frein, il faut desserrer la vis.  
Die Schraube lockern, um die Bremse zu steigen.

Movimenti per ante  
Wing movements

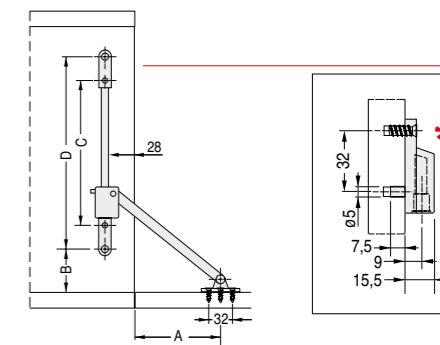
Mouvements des portes  
Bewegung der Türen

Acciaio nichelato  
Nickel-plated steel  
Acier nickelé  
Vernickeltem Stahl



- Per aumentare il freno, allentare la vite.  
Loosen the screw, in order to increase the brake.  
Pour augmenter l'effet du frein, il faut desserrer la vis.  
Die Schraube lockern, um die Bremse zu steigen.

	A	B	C	D	D	S	MAR	Nylon BIA	NER	Norm 00	M6 M6	
					DX	SX	Marrone Brown Marron Braun	Bianco White Blanc Weiss	Nero Black Noir Schwarz			
2030	100	22	192	256								25
2031	126	54	224	288								
2032	139	54	256	320								

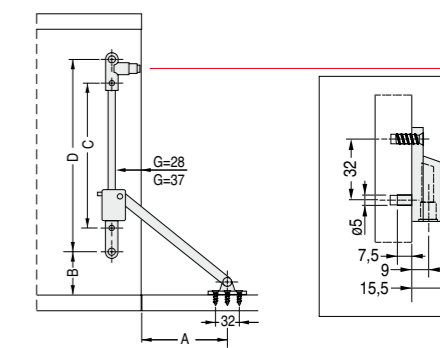


Acciaio nichelato  
Nickel-plated steel  
Acier nickelé  
Vernickeltem Stahl



- Per aumentare il freno, allentare la vite.  
Loosen the screw, in order to increase the brake.  
Pour augmenter l'effet du frein, il faut desserrer la vis.  
Die Schraube lockern, um die Bremse zu steigen.

	A	B	C	D	D	S	MAR	Nylon BIA	NER	Norm 00	M6 M6	
					DX	SX	Marrone Brown Marron Braun	Bianco White Blanc Weiss	Nero Black Noir Schwarz			
G=28 mm												
3040	100	22	192	256								25
3041	126	54	224	288								
3042	139	54	256	320								
G=37 mm												
3050	91	22	192	256								25
3051	117	54	224	288								
3052	130	54	256	320								



\* 25 mm.Ø6,2x 14



Vite Euro  
Screw

cod.  
VT00002500000

Acciaio  
nichelato

Steel  
nickel-plated




Acier  
nickelé

Stahl  
vernickeltem



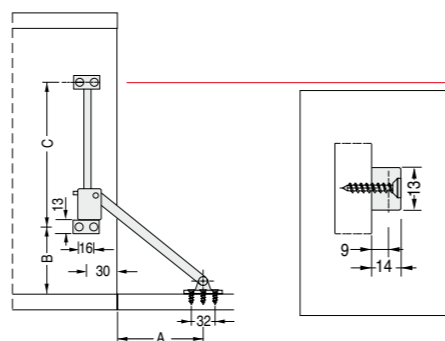
50

**Acciaio nichelato**  
**Nickel-plated steel**  
**Acier nickelé**  
**Vermickeltem Stahl**




	A	B	C	D	S	MAR	Nylon BIA	NER	Norm 00	M6 M6	
				DX	SX	Marrone Brown Marron Braun	Bianco White Blanc Weiss	Nero Black Noir Schwarz			
<b>3020</b>	98	54	183								25
<b>3021</b>	124	86	215								
<b>3022</b>	137	86	247								



- Per aumentare il freno, allentare la vite.  
Loosen the screw, in order to increase the brake.  
Pour augmenter l'effet du frein, il faut desserrer la vis.  
Die Schraube lockern, um die Bremse zu steigen.

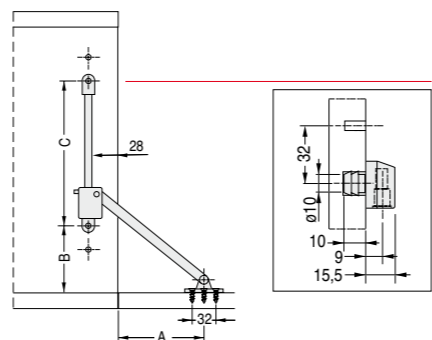


**Acciaio nichelato**  
**Nickel-plated steel**  
**Acier nickelé**  
**Vermickeltem Stahl**


	A	B	C	D	S	MAR	Nylon BIA	NER	Norm 00	M6 M6	
				DX	SX	Marrone Brown Marron Braun	Bianco White Blanc Weiss	Nero Black Noir Schwarz			
<b>2040</b>	100	54	192								25
<b>2041</b>	126	86	224								
<b>2042</b>	139	86	256								

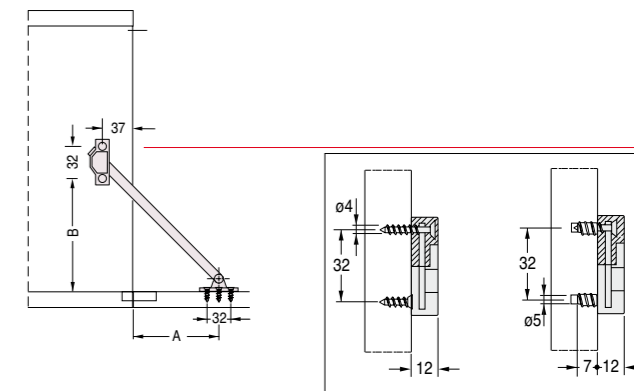


- Per aumentare il freno, allentare la vite.  
Loosen the screw, in order to increase the brake.  
Pour augmenter l'effet du frein, il faut desserrer la vis.  
Die Schraube lockern, um die Bremse zu steigen.



**Acciaio nichelato**  
**Nickel-plated steel**  
**Acier nickelé**  
**Vermickeltem Stahl**

Art.	Nylon marrone Brown nylon Nylon marron Braun Nylon	Nylon bianco White nylon Nylon blanc Weiss Nylon	Nylon nero Black nylon Nylon noir Schwarz Nylon	
	cod.	cod.	cod.	
<b>2070</b> mm 150	<b>AT002070MAR00</b>	<b>AT002070BIA00</b>	<b>AT002070NER00</b>	50
<b>2071</b> mm 200	<b>AT002071MAR00</b>	<b>AT002071BIA00</b>	<b>AT002071NER00</b>	50
<b>2072</b> mm 250	<b>AT002072MAR00</b>	<b>AT002072BIA00</b>	<b>AT002072NER00</b>	50
Art.	cod.	cod.	cod.	
<b>2080</b> mm 150	<b>AT002080MAR00</b>	<b>AT002080BIA00</b>	<b>AT002080NER00</b>	50
<b>2081</b> mm 200	<b>AT002081MAR00</b>	<b>AT002081BIA00</b>	<b>AT002081NER00</b>	50
<b>2082</b> mm 250	<b>AT002082MAR00</b>	<b>AT002082BIA00</b>	<b>AT002082NER00</b>	50



	A mm	B mm
Art. 2070	90	54
Art. 2071	122	86
Art. 2072	154	118
Art. 2080	90	54
Art. 2081	122	86
Art. 2082	154	118

Movimenti per ante  
Wing movements

Mouvements des portes  
Bewegung der Türen

Acciaio  
Steel  
Acier  
Stahl

0510

Con freno  
With brake  
Avec frein  
Mit Bremsvorrichtung



524

Senza freno  
Without brake  
Sans frein  
Ohne Bremsvorrichtung

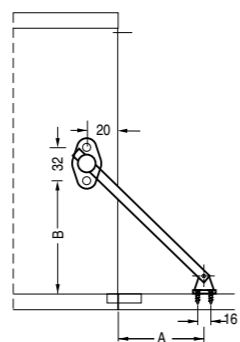


	Acciaio zincocromato Zinc chromium-plated steel Acier chromé en zinc Zinkverchromten Stahl	Acciaio ottonato Brass-plated steel Acier laitonné Vermessingtem Stahl	Acciaio bronzato Bronze-plated steel Acier bronzé Bronziertem Stahl	
--	---	---	--	--

Art.	cod.	cod.	cod.	
0510 mm 150	AT000510AZC15	AT000510AOT15	AT000510ABR15	50
510 mm 200	AT000510AZC20	AT000510AOT20	AT000510ABR20	50
511 mm 250	AT000511AZC25	AT000511AOT25	AT000511ABR25	50

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Art.	cod.	cod.	cod.	
524 mm 150	AT000524AZC15	AT000524AOT15	AT000524ABR15	50
525 mm 200	AT000525AZC20	AT000525AOT20	AT000525ABR20	50
526 mm 250	AT000526AZC25	AT000526AOT25	AT000526ABR25	50



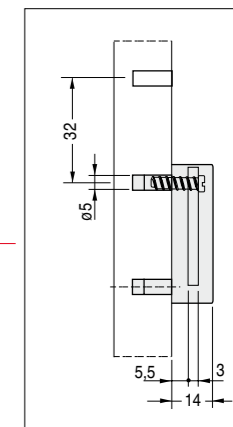
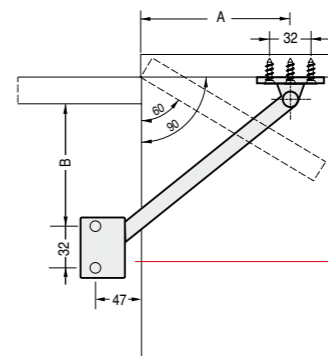
	A mm	B mm
Art. 0510	70	85
Art. 510	100	130
Art. 511	130	165
Art. 524	70	85
Art. 525	100	130
Art. 526	130	165

Movimenti per ante  
Wing movements

Mouvements des portes  
Bewegung der Türen

Acciaio nichelato  
Nickel-plated steel  
Acier nickelé  
Vermickeltem Stahl

2050



cod.	Nylon marrone Brown nylon Nylon marron Braun Nylon	Nylon bianco White nylon Nylon blanc Weiss Nylon	Nylon nero Black nylon Nylon noir Schwarz Nylon	
2050 mm 150	AT02050DMAR00	AT02050DBIA00	AT02050DNER00	25
2051 mm 200	AT02051DMAR00	AT02051DBIA00	AT02051DNER00	25
2052 mm 250	AT02052DMAR00	AT02052DBIA00	AT02052DNER00	25

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cod.	sx	sx	sx	
2050 mm 150	AT02050SMAR00	AT02050SBIA00	AT02050SNER00	25
2051 mm 200	AT02051SMAR00	AT02051SBIA00	AT02051SNER00	25
2052 mm 250	AT02052SMAR00	AT02052SBIA00	AT02052SNER00	25

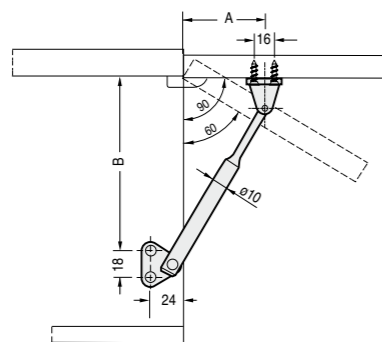
		A mm	B mm
Art. 2050 mm 150	60°	106	86
	90°	71	54
Art. 2051 mm 200	60°	150	150
	90°	110	86
Art. 2052 mm 250	60°	194	182
	90°	150	118

● Vite regolazione freno.  
Screw for the brake adjustment.  
Vis de réglage du frein.  
Schraube für die Einstellung der Bremse.

**0506**  
mm.150

cod.					
BT000506OZC15	Ottone zincocromato	Zinc chromiumplated brass	Laiton cromé en zinc	Zinkverchromtem Messing	50
BT000506OTT15	Ottone	Brass	Laiton	Messing	50
BT000506ONI15	Ottone nichelato	Nickel-plated brass	Laiton nickelé	Vernickeltem Messing	50
BT000506OBR15	Ottone bronzato	Bronze-plated brass	Laiton bronzé	Bronziertem Messing	50
BT000506AZC15	Acciaio zincocromato	Zinc chromiumplated steel	Acier cromé en zinc	Zinkverchromtem Stahl	50
BT000506ABR15	Acciaio bronzato	Bronze-plated steel	Acier bronzé	Bronziertem Stahl	50
BT000506AOT15	Acciaio ottonato	Brass-plated steel	Acier laitonné	Vermessingtem Stahl	50

cod.					
BT000506OZC20	Ottone zincocromato	Zinc chromiumplated brass	Laiton cromé en zinc	Zinkverchromtem Messing	50
BT000507OZC25	Ottone	Brass	Laiton	Messing	50
BT000506OTT20	Ottone	Brass	Laiton	Messing	50
BT000507OTT25	Ottone	Brass	Laiton	Messing	50
BT000506ONI20	Ottone nichelato	Nickel-plated brass	Laiton nickelé	Vernickeltem Messing	50
BT000507ONI25	Ottone nichelato	Nickel-plated brass	Laiton nickelé	Vernickeltem Messing	50
BT000506OBR20	Ottone bronzato	Bronze-plated brass	Laiton bronzé	Bronziertem Messing	50
BT000507OBR25	Ottone bronzato	Bronze-plated brass	Laiton bronzé	Bronziertem Messing	50
BT000506AZC20	Acciaio zincocromato	Zinc chromiumplated steel	Acier cromé en zinc	Zinkverchromtem Stahl	50
BT000507AZC25	Acciaio zincocromato	Zinc chromiumplated steel	Acier cromé en zinc	Zinkverchromtem Stahl	50
BT000506ABR20	Acciaio bronzato	Bronze-plated steel	Acier bronzé	Bronziertem Stahl	50
BT000507ABR25	Acciaio bronzato	Bronze-plated steel	Acier bronzé	Bronziertem Stahl	50
BT000506AOT20	Acciaio ottonato	Brass-plated steel	Acier laitonné	Vermessingtem Stahl	50
BT000507AOT25	Acciaio ottonato	Brass-plated steel	Acier laitonné	Vermessingtem Stahl	50

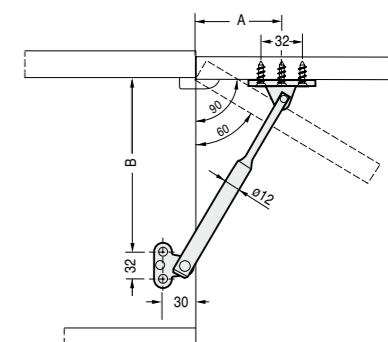


		A mm	B mm
Art. 0506	mm 150	60° 85	155
		90° 50	120
Art. 506	mm 200	60° 115	235
		90° 70	190
Art. 507	mm 250	60° 150	300
		90° 85	245

**508**  
mm.200

cod.					
BT000508OZC20	Ottone zincocromato	Zinc chromiumplated brass	Laiton cromé en zinc	Zinkverchromtem Messing	25
BT000508OTT20	Ottone	Brass	Laiton	Messing	25
BT000508ONI20	Ottone nichelato	Nickel-plated brass	Laiton nickelé	Vernickeltem Messing	25
BT000508OBR20	Ottone bronzato	Bronze-plated brass	Laiton bronzé	Bronziertem Messing	25
BT000508AZC20	Acciaio zincocromato	Zinc chromiumplated steel	Acier cromé en zinc	Zinkverchromtem Stahl	25
BT000508ABR20	Acciaio bronzato	Bronze-plated steel	Acier bronzé	Bronziertem Stahl	25
BT000508AOT20	Acciaio ottonato	Brass-plated steel	Acier laitonné	Vermessingtem Stahl	25

cod.					
BT000509OZC25	Ottone zincocromato	Zinc chromiumplated brass	Laiton cromé en zinc	Zinkverchromtem Messing	25
BT000509OTT25	Ottone	Brass	Laiton	Messing	25
BT000509ONI25	Ottone nichelato	Nickel-plated brass	Laiton nickelé	Vernickeltem Messing	25
BT000509OBR25	Ottone bronzato	Bronze-plated brass	Laiton bronzé	Bronziertem Messing	25
BT000509AZC25	Acciaio zincocromato	Zinc chromiumplated steel	Acier cromé en zinc	Zinkverchromtem Stahl	25
BT000509ABR25	Acciaio bronzato	Bronze-plated steel	Acier bronzé	Bronziertem Stahl	25
BT000509AOT25	Acciaio ottonato	Brass-plated steel	Acier laitonné	Vermessingtem Stahl	25



		A mm	B mm
Art. 508	mm 200	60° 120	215
		90° 80	180
Art. 509	mm 250	60° 130	280
		90° 90	225





Cod. 500  
Pag. 48



Cod. 7  
Pag. 48



Cod. 9  
Pag. 48



Cod. 505  
Pag. 49



Cod. 16  
Pag. 49



Cod. 17  
Pag. 49



Cod. 2100  
Pag. 50



Cod. 2105  
Pag. 50



Cod. 2110  
Pag. 50



Cod. 2115  
Pag. 50



Cod. 2120  
Pag. 51



Cod. 2125  
Pag. 51



Cod. 100  
Pag. 51



Cod. 101  
Pag. 51

Giunzioni e bussole  
Joints and bushes  
Jonctions et douilles  
Verbindungen und Buchsen

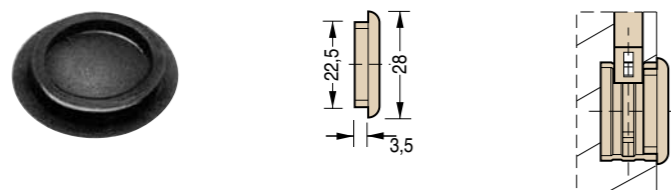
Acciaio zincocromato - Zinc chromium-plated steel - Acier chromé en zinc - Zinkverchromten Stahl

500

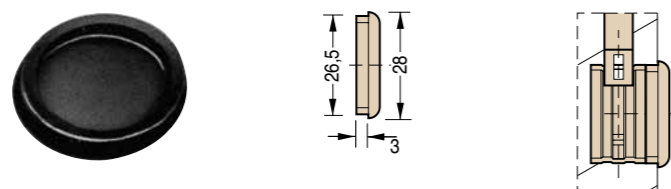


Eccentrico - Eccentric		Perni - Pins				
10,5	14,5	∅ 7,5x21	∅ 7,5x32	∅ 7,5x80		100
AM00500E00010	AM00500E00014	AM00500E00021	AM00500E00032	AM00500E00080		100
Coperchio normale - Cap normal		Foro legno - Wooden hole				
AM00500CMARNO		AM00500CMARFL	nylon	marrone brown	marron Braun	100
AM00500CNERNO		AM00500CNERFL		nero black	noir schwarz	100
AM00500CBIANO		AM00500CBIAFL		bianco white	blanc Weiss	100

Coperchio normale - Normal cap - Capuchon normal - Normale Abdeckung

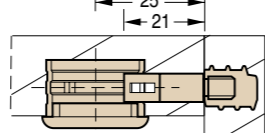
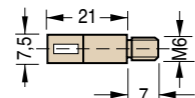


Coperchio foro legno - Cap for wooden hole - Capuchon trou bois - Abdeckung Bohrung Holz



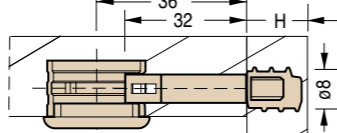
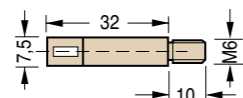
∅ 7,5x21

Perno - Pin - Pivot - Zapfen



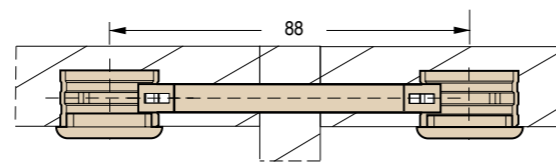
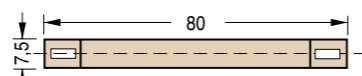
∅ 7,5x32

Perno - Pin - Pivot - Zapfen



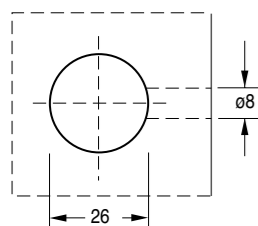
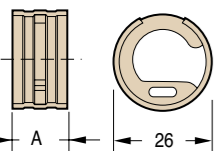
∅ 7,5x80

Perno - Pin - Pivot - Zapfen



Eccentrico - Eccentric  
Excentrique - Exzentrisch

A = 10,5  
A = 14,5



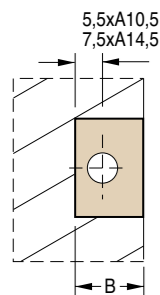
Eccentrico - Eccentric  
Excentrique - Exzentrisch

Coperchio normale  
Normal cap  
Capuchon normal  
Normale Abdeckung

A = 10,5 B = 11  
A = 14,5 B = 15

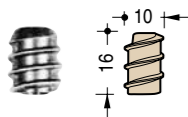
Coperchio foro legno  
Cap for wooden hole  
Capuchon trou bois  
Abdeckung Bohrung Holz

A = 10,5 B = 14  
A = 14,5 B = 18



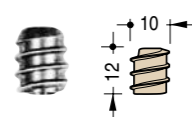
7

mm.∅10xh16  
M6



9

mm.∅10xh12  
M6



Ottone  
Brass  
Laiton  
Messing

Art.	Cod.	
7	AM000007OTT00	100
9	AM000009OTT00	100

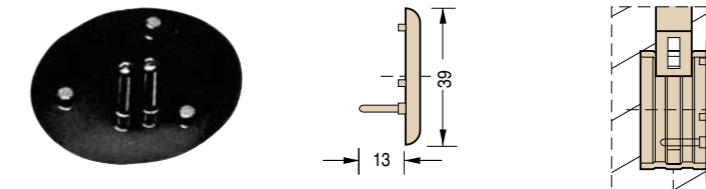
Acciaio zincocromato - Zinc chromium-plated steel - Acier chromé en zinc - Zinkverchromten Stahl

505

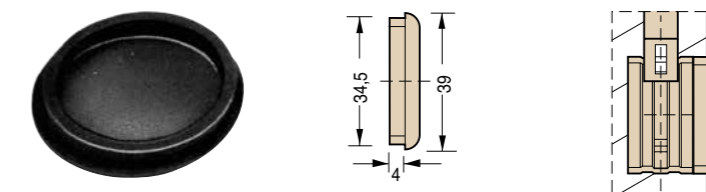


Eccentrico - Eccentric		Perni - Pins				
13,5	16,5	∅ 10x32	∅ 10x55	∅ 10x92		100
AM00505E00013	AM00505E00016	AM00505P00032	AM00505P00055	AM00505P00092		100
Coperchio normale - Cap normal		Foro legno - Wooden hole				
AM00505CMARNO		AM00505CMARFL	nylon	marrone brown	marron Braun	100
AM00505CNERNO		AM00505CNERFL		nero black	noir schwarz	100
AM00505CBIANO		AM00505CBIAFL		bianco white	blanc Weiss	100

Coperchio normale - Normal cap - Capuchon normal - Normale Abdeckung

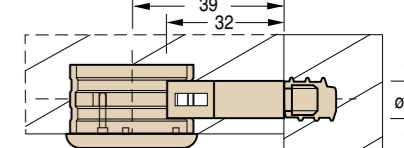
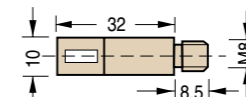


Coperchio foro legno - Cap for wooden hole - Capuchon trou bois - Abdeckung Bohrung Holz



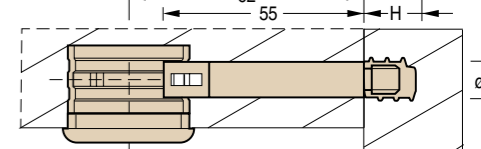
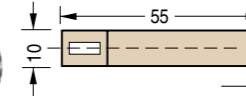
∅ 10x32

Perno - Pin - Pivot - Zapfen



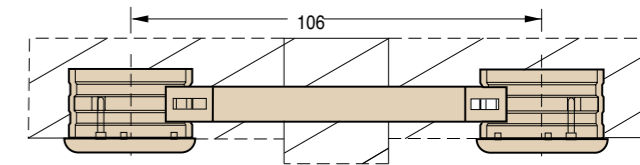
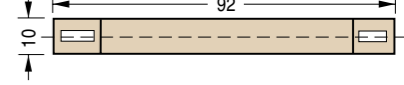
∅ 10x55

Perno - Pin - Pivot - Zapfen



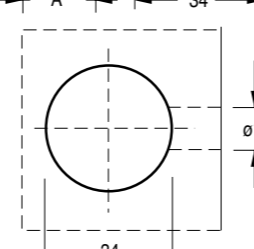
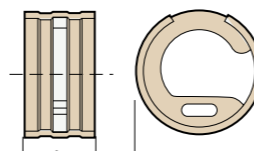
∅ 10x92

Perno - Pin - Pivot - Zapfen



Eccentrico - Eccentric  
Excentrique - Exzentrisch

A = 13,5  
A = 16,5



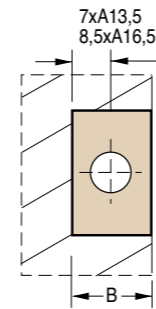
Eccentrico - Eccentric  
Excentrique - Exzentrisch

Coperchio normale  
Normal cap  
Capuchon normal  
Normale Abdeckung

A = 13,5 B = 14  
A = 16,5 B = 17

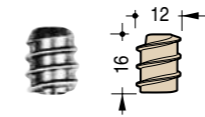
Coperchio foro legno  
Cap for wooden hole  
Capuchon trou bois  
Abdeckung Bohrung Holz

A = 13,5 B = 18  
A = 16,5 B = 21



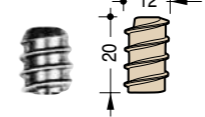
16

mm.∅12xh16  
M6



17

mm.∅12xh20  
M6



Ottone  
Brass  
Laiton  
Messing

Art.	Cod.	
16	AM000016OTT00	100
17	AM000017OTT00	100

2100



cod.

- AM002100MAR00
- AM002100NER00
- AM002100BIA00

nylon

- marrone
- nero
- bianco

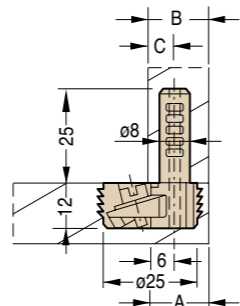
- brown
- black
- white

- marron
- noir
- blanc

- Braun 500
- schwarz 500
- Weiss 500



A=B-C+6  
C= max 7 mm



2105



cod.

- AM002105MAR00
- AM002105NER00
- AM002105BIA00

nylon

- marrone
- nero
- bianco

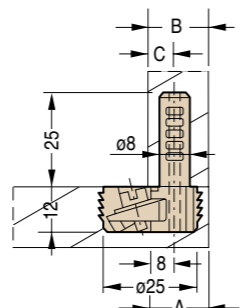
- brown
- black
- white

- marron
- noir
- blanc

- Braun 500
- schwarz 500
- Weiss 500



A=B-C+8  
C= max 9 mm



2110



cod.

- AM002110MAR00
- AM002110NER00
- AM002110BIA00

nylon

- marrone
- nero
- bianco

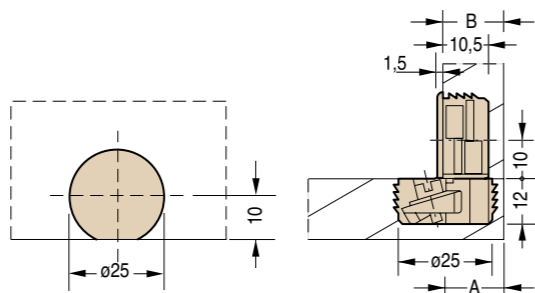
- brown
- black
- white

- marron
- noir
- blanc

- Braun 250
- schwarz 250
- Weiss 250



A=B+1,5



2115



cod.

- AM002115MAR00
- AM002115NER00
- AM002115BIA00

nylon

- marrone
- nero
- bianco

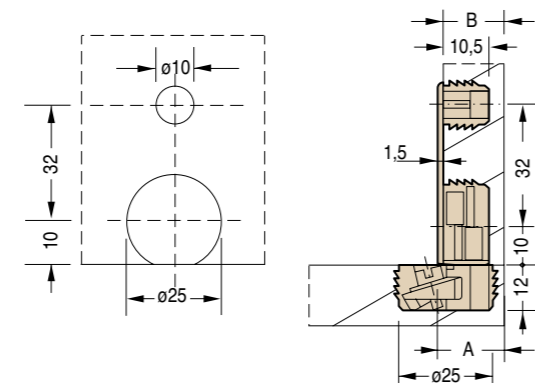
- brown
- black
- white

- marron
- noir
- blanc

- Braun 200
- schwarz 200
- Weiss 200



A=B+1,5



2120



cod.

- AM002120MAR00
- AM002120NER00
- AM002120BIA00

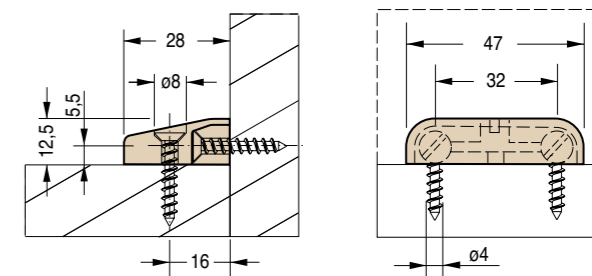
nylon

- marrone
- nero
- bianco

- brown
- black
- white

- marron
- noir
- blanc

- Braun 250
- schwarz 250
- Weiss 250



2125



cod.

- AM002125MAR00
- AM002125NER00
- AM002125BIA00

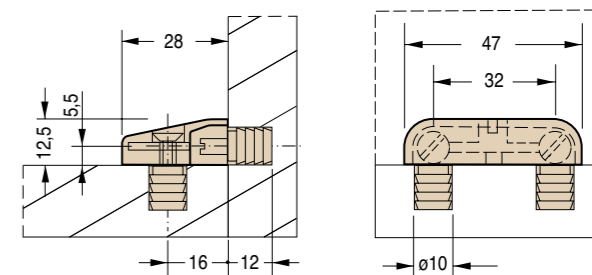
nylon

- marrone
- nero
- bianco

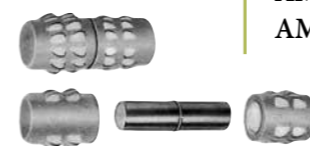
- brown
- black
- white

- marron
- noir
- blanc

- Braun 200
- schwarz 200
- Weiss 200



100



cod.

- AM0001000000
- AM0001010000

- Acciaio zincocromato
- nylon neutro
- nylon neutro

- Steel and zinc alloy
- neutral nylon
- neutral nylon

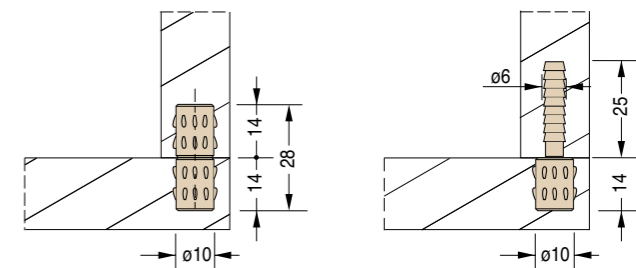
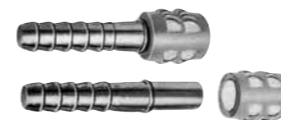
- Acier et zamac
- nylon neutre
- nylon neutre

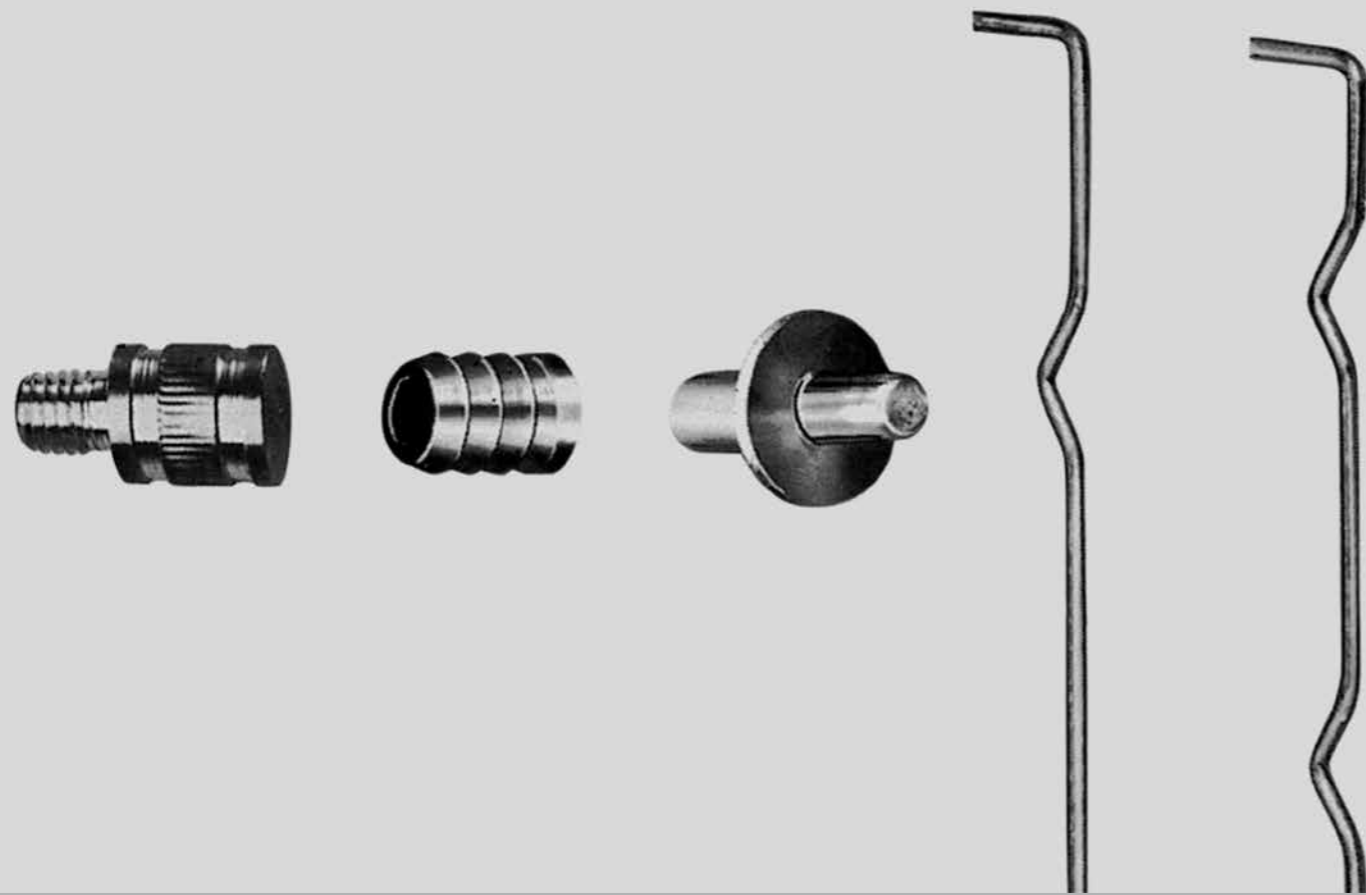
- Stahl und Zamak
- Neufalfarbig Nylon
- Neufalfarbig Nylon



- 500
- 500
- 500

101





Reggipiani  
Shelf support  
Support d'étagères  
Stützelemente für Fachböden



Cod. 211  
Pag. 54



Cod. 212  
Pag. 54



Cod. 200  
Pag. 54



Cod. 631  
Pag. 55

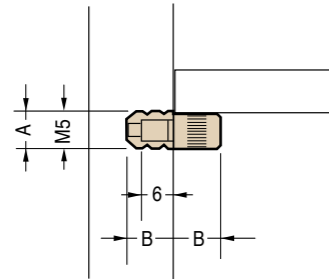
## 211 - 213



## 212 - 214



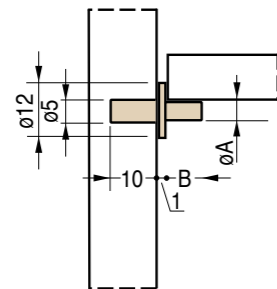
Art.	Ottone Brass Laiton Messing cod.	Ottone nichelato Nickel-plated brass Laiton nickelé Vernickeltem Messing cod.	Ottone bronzato Bronze-plated steel Laiton bronzé Bronziertem Messing cod.	
211 mm A=7 mm B=9	RE000211OTT00	RE000211ONI00	RE000211OBR00	1000
213 mm A=8 mm B=10	RE000213OTT00	RE000213ONI00	RE000213OBR00	1000
212 mm A=7 mm B=9	RE000212OTT00	RE000212ONI00	RE000212OBR00	1000
214 mm A=8 mm B=10	RE000214OTT00	RE000214ONI00	RE000214OBR00	1000



## 200 - 300



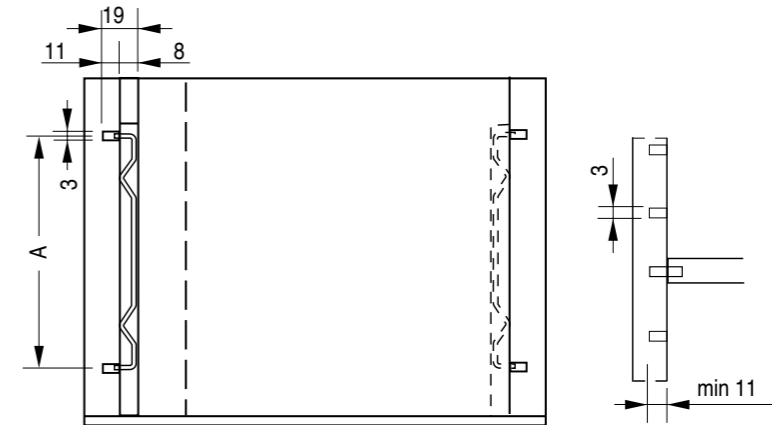
Art.	Acciaio zincocromato Zinc chromium-plated steel Acier chromé en zinc Zinkverchromten Stahl cod.	Acciaio bronzato Bronze-plated steel Acier bronzé Bronziertem Stahl cod.	
200 ø mm A=4 mm B=8	RE000200AZC00	RE000200ABR00	1000
300 ø mm A=5 mm B=10	RE000300AZC00	RE000300ABR00	1000



## 631



Art.	Acciaio zincocromato Zinc chromium-plated steel Acier chromé en zinc Zinkverchromten Stahl cod.	
631 mm A=64	RE00063100000	1000
632 mm A=96	RE00063200000	1000
633 mm A=128	RE00063300000	1000
634 mm A=160	RE00063400000	500
635 mm A=192	RE00063500000	500
636 mm A=224	RE00063600000	500
637 mm A=256	RE00063700000	500
638 mm A=288	RE00063800000	500
639 mm A=320	RE00063900000	500
640 mm A=352	RE00064000000	500
641 mm A=384	RE00064100000	500
642 mm A=416	RE00064200000	500







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