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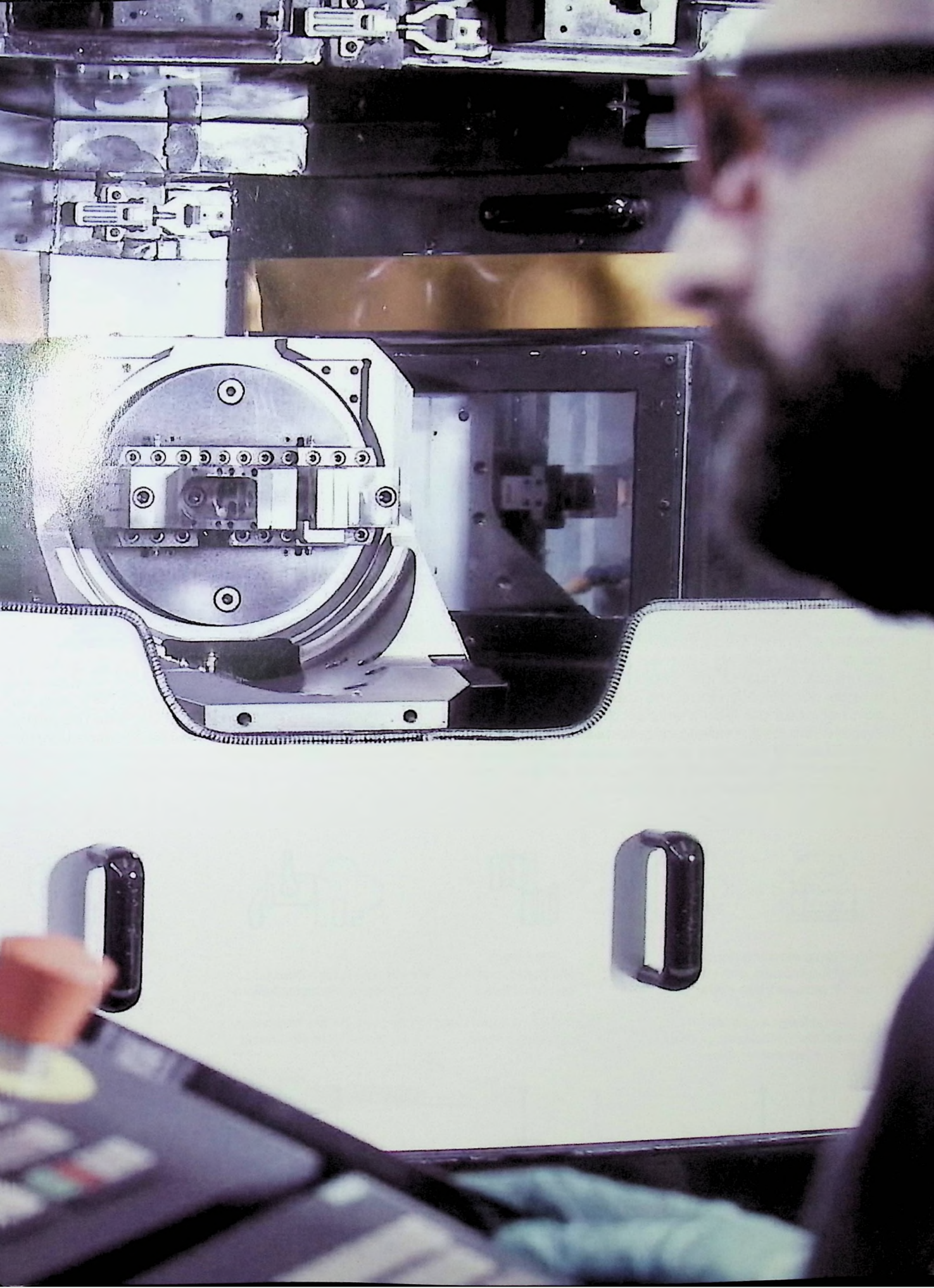
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Smart solutions for global window systems.



MASTER集团成立于1986年，坐落于意大利东南部港口城市巴里。公司一直致力于铝合金门窗五金配件，集设计、研发、生产、销售于一体。凭借近40年设计和制造优质门窗五金配件的经验，MASTER已成为世界门窗五金行业的佼佼者，作为大规模的跨国企业，MASTER销售网覆盖全球超过58个国家和地区，并重点开发新的国际市场，关注产品的安全性能和质量保证，不断改进以及根据精益生产原则减少浪费，实施工业自动化4.0新模式，尤其关注的是在所有战略性和生产性操作中保持人力资本的集中。





SMART SOLUTIONS FOR GLOBAL WINDOW SYSTEM.

Designed and made in Italy 4.0

La convinzione che gli accessori rivestano un ruolo essenziale nelle performance dei serramenti è oggi più che mai condivisa sia dal mondo delle costruzioni che dal mondo della progettazione e del design.

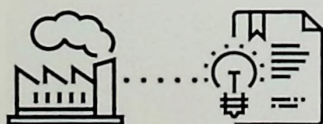
Dal 1986 il Gruppo Master progetta e realizza accessori e componentistica per serramenti in alluminio, con un processo fatto di ricerca, investimenti, studio della cultura dell'alluminio e riservando una profonda attenzione alla qualità dei materiali, alla ricerca di tecnologie in grado di permettere la produzione di prodotti fabbricati per alte performances, all'individuazione delle nuove esigenze dei mercati e alla soddisfazione e cura continua del cliente.

Presente in oltre 58 paesi del Mondo, oggi il brand Master è un marchio globale, focalizzato su: sviluppo di nuovi mercati internazionali, attenzione alla sicurezza e qualità dei propri prodotti, miglioramento continuo e riduzione degli sprechi in linea con i principi del lean manufacturing, implementazione del nuovo modello di automazione industriale INDUSTRY 4.0 con un'attenzione particolare a mantenere la centralità del capitale umano nelle operations strategiche e produttive

The belief that accessories have a key role in the performance of windows and doors today more than ever is shared by both the construction industry and the world of architecture and design.

Master Group has been designing and manufacturing accessories and components for aluminium frames since 1986, concentrating on research and investment, as well as on the study of aluminium, especially on the quality of materials, looking for technologies for high performance products, identifying new market needs and guaranteeing continuous customer satisfaction and care.

Present in over 58 countries worldwide, today Master is a global brand focused on developing new international markets, with the utmost attention to safety and quality of its products, continuous improvement and reduction of waste in line with the principles of lean manufacturing, and on the implementation of the new INDUSTRY 4.0 automation, with particular attention to maintaining human capital centre stage in production operations.



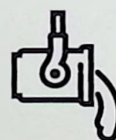
Nasce master e deposita
il suo primo brevetto
la squadretta Klara

*Master was born
and deposited his first patent:
Klara corner joint*



Produzione
della Rapid, prima
cerniera Master

*Production of Rapid the
first Master hinge*



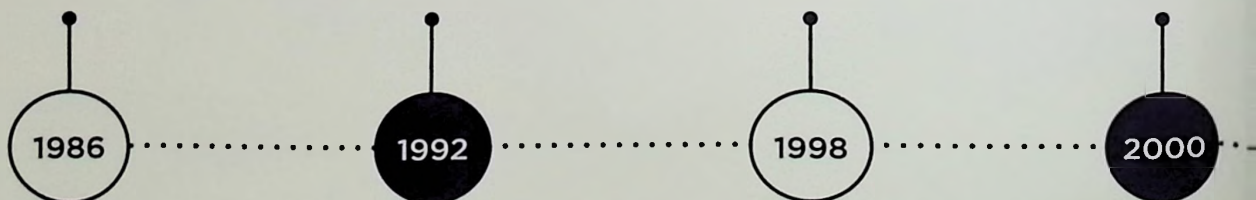
Nasce
la pressofusione

*The beginning
of die casting*



L'azienda
si apre a mercati
internazionali

*The beginning of
international
market challenge*





DATA E FACTS

Numero dipendenti:
Number of employees:

270

Fatturato Export:
Export Percentage Revenue:

54%

On time Delivery:
On time Delivery:

95%

Numero articoli prodotti finito:
Number of finished products:

+25K

Il Gruppo Master realizza il 97% del valore aggiunto della propria produzione in house, coprendo tutte le fasi che precedono la commercializzazione del prodotto: dall'analisi dei bisogni del mercato alla progettazione, prototipazione e produzione dei manufatti.

Master Group realizes 97% of the added value of its in-house production, covering all the steps that precede product marketing: from the analysis of market needs to design, prototyping and production.



Nasce
MasterLAB

MasterLAB



L'azienda adotta e certifica il
Life Cycle Assessment (LCA)

*The company adopts and certifies the
Life Cycle Assessment (LCA)*



Inizia il percorso di
Lean Transformation

*The beginning of
Lean Transformation
project*



Una nuovo concetto
di azienda. Master
Italy Process System

*A new company
thinking. Master Italy
Process System*

2008

2011

2013

2018

La ricerca in Master Italy, si concentra all'interno del Centro Ricerche & Sviluppo con laboratorio prove MasterLAB, dal 2008 è impegnata sul fronte dell'innovazione, dell'evoluzione normativa riguardante i serramenti e a quella sempre più rapida dei mercati.

MasterLAB è dotata dei più moderni strumenti software, metodologici e sperimentali, per fare attività:

DI RICERCA, STUDIO E PROGETTAZIONE:

- Ideazione di nuovi prodotti e miglioramento di quelli esistenti;
- Prototipazione e industrializzazione del prodotto finito con metodi di sviluppo concettuale tridimensionale, verifica numerica agli elementi finiti e validazione sperimentale del concept in laboratorio;

SPERIMENTALI E DI SVILUPPO:

- Misurazione delle performances dei prodotti con prove di permeabilità all'aria, tenuta all'acqua, resistenza al vento e durabilità;
- Caratterizzazione meccanica dei materiali;
- Certificazione di prodotti in collaborazione con laboratori notificati nazionali ed internazionali;
- Servizi di 'witness testing' e ITT (Initial Test Type) offerti ai produttori di serramenti per misurare le prestazioni energetiche e di sicurezza ai fini della marcatura CE (attività svolta in collaborazione con enti certificatori nazionali e internazionali);

DI ASSISTENZA AL CLIENTE:

- Consulenza sulla personalizzazione di nuovi prodotti;
- Studio e progettazione all'adattabilità di componenti su sistemi esistenti e valutazione delle conseguenti prestazioni del prodotto finito.

MasterLAB già in possesso di 71 brevetti/modelli di utilità nazionali e internazionali, molti dei quali depositati a livello internazionale, offre i propri servizi ponendo una costante attenzione su tutti gli aspetti legati alle attività di ricerca e sviluppo operando nel settore della progettazione, sviluppo e sperimentazione di accessori/componenti per sistemi di apertura e chiusura per porte e finestre.

Our research studies are carried out by MasterLAB, which has been working on innovation since 2008, as well as on the evolution of legislation regarding doors and windows and on the increasingly growing market.

MasterLAB is equipped with the state-of-the-art software, and with methodological and experimental tools for:

RESEARCH, DEVELOPMENT AND DESIGN:

- *Design of new products and improvement of existing ones;*
- *Prototyping and industrialization of the finished product with three-dimensional conceptual development methods, numerical verification of the finished products and in-lab experimental validation of the concept;*

EXPERIMENTATION AND DEVELOPMENT:

- *Assessment of product performances with tests on air permeability, water tightness, wind resistance and durability;*
- *Mechanical customisation of materials;*
- *Certification of products in collaboration with national and international accredited labs;*
- *'Witness testing' and ITT services (Initial Test Type) offered to window manufacturers to measure energy and safety performances for CE marking (carried out in collaboration with national and international certification agencies);*

CUSTOMER SERVICE:

- *Advice on the customisation of new products;*
- *Study and design of the adaptability of components on existing systems and evaluation of the resulting performance of the finished product.*

MasterLAB has already 71 national and international patents/utility models, many of which are internationally registered. We offer our services by constantly focusing on all aspects related to research and development, operating in the field of design, development and testing of accessories/components for opening and closing systems for doors and windows.



WE think,
create,
innovate,
inspire.



FOR A SUSTAINABLE WORLD.

"Le imprese leader sono giudicate non solo per la qualità intrinseca dei prodotti e servizi offerti, ma anche in virtù del senso di responsabilità e delle relazioni col territorio e con l'ambiente che dimostrano. L'impegno che oggi dimostriamo vuole muoversi soprattutto in questa direzione".

"Leading companies are assessed not only on the quality of their products and services, but also on the sense of responsibility and on their relationship with the territory and the environment. Our commitment is to go beyond all this"

Avviare un'attività di analisi della filiera produttiva e ridurre l'impatto ambientale dei prodotti nel settore degli accessori per serramenti. Il progetto è finalizzato alla valutazione dell'impatto sul clima, lungo il ciclo di vita dei più rappresentativi prodotti dell'azienda, per calcolare la 'carbon footprint' degli stessi, cioè l'ammontare totale dei gas a effetto serra emessi, con l'obiettivo di ridurlo mediante azioni pianificate a breve/medio termine. Tale studio è stato redatto con l'obiettivo di calcolare la GWP100 di ogni singolo componente. L'azienda ha ritenuto che la rilevazione degli impatti ambientali sia una necessità, a testimonianza del proprio impegno per lo sviluppo sostenibile del business a lungo termine. La misurazione di consumi e impatti, che consente di agire e migliorare continuamente i propri prodotti e processi, non solo dal punto di vista tecnologico ma anche ambientale, è dunque un'assunzione di responsabilità nei confronti di tutti gli stakeholders.

Carrying out analysis of the production chain and reduce the environmental impact of products in the field of window and door fittings. The project is aimed at assessing the impact on the climate, along the life cycle of our most representative products, to calculate their carbon footprint, i.e. the total amount of greenhouse gases emitted, with



the objective to reduce it through planned actions in the short/medium term. This study was drafted with the aim of calculating the GWP100 of each individual component. We believe that the detection of environmental impacts is a paramount, which reflects our commitment to a sustainable development of long-term production. The measurement of consumption and im-

pacts, which allows us to continuously improve our products and processes, not only from the technological point of view but also the environmental one, is therefore a responsibility towards all stakeholders.



Illuminazione aziendale convertita con luci a LED

-
Business lighting converted to LED lighting



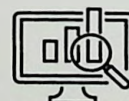
Impianto di depurazione

-
Sewage treatment plant



Forno di fusione centralizzato

-
Centralised melting furnace



Sistema di monitoraggio dei consumi energetici

-
System for monitoring energy consumption



Potenza degli impianti fotovoltaici 653 Kpw

-
Installed Pv power plants 653 Kpw

A NEW COMPANY THINKING.

MIPS: MASTER ITALY PROCESS SYSTEM

Dal 2013 Master ha deciso di intraprendere un programma di miglioramento continuo con lo scopo di garantire la soddisfazione del cliente e gestire la crescente complessità aziendale.

Le logiche alla base del programma di miglioramento Master sono quelle del **lean thinking**, ovvero, la lotta allo spreco attraverso la semplificazione dei processi, il coinvolgimento del personale e la spinta verso la creazione di flussi sincroni di processo.

A supporto delle attività c'è l'adozione di tecnologie avanzate, ovvero automazioni, macchine e sistemi integrati, che permettono il mantenimento delle migliori condizioni di lavoro e l'analisi delle prestazioni in real time.

In questo modo si pongono le basi per iniziative di miglioramento sempre più sfidanti.

Nel 2018, dopo 5 anni di implementazione delle logiche lean, l'azienda ha capitalizzato le esperienze realizzate elaborando il **Master Italy Process System**, ovvero una raccolta dinamica delle tecniche ed i metodi lean da utilizzare nei vari ambiti operativi, degli strumenti di sviluppo delle risorse umane e delle best practices a cui ispirarsi per i nuovi progetti. Gli ambiti all'interno del quale si spazia, sono la **sicurezza** e l'**ambiente**, il **miglioramento** e l'**innovazione continua**, la **digital transformation** e lo **sviluppo delle competenze**.

In 2013, Gruppo Master decided to implement a continuous improvement programme with the objective of guaranteeing customer satisfaction and managing the company's increasing complexity.

*The Master improvement programme is based on the **lean thinking** methodology, which aims to eliminate waste by simplifying processes, getting people involved and pushing for the creation of synchronised process flows.*

Activities are supported by enabling technologies: automation, integrated machines and systems that allow to maintain the right work conditions and analyse performances in real time.

This is the basis to start increasingly challenging improvement initiatives.

*In 2018, five years after implementing the lean thinking methodology, the company has capitalised on the experience and has created the **Master Italy Process System**, a dynamic collection of the techniques and methods to be used in different operative environments: human resource development tools and best practices to inspire new projects. Its scope includes **security** and the **environment**, **continuous improvement** and **innovation**, **digital transformation** and **skill development**.*



I NOSTRI VALORI, IL NOSTRO DNA D'IMPRESA. OUR VALUES, OUR ENTREPRENEURIAL DNA.



VALORIZZAZIONE E RISPETTO DELLE PERSONE OUR VALUES, OUR ENTREPRENEURIAL DNA.

L'azienda è formata da persone diverse fra loro e queste differenze sono il valore aggiunto che porta un vantaggio a tutto il gruppo. Per questo bisogna valorizzare il talento del singolo in modo da raggiungere il traguardo di tutti.

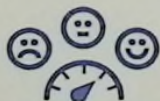
The company is made up of different people and these differences are an added value to the whole group. This is why we need to enhance the talent of the individual in order to reach the goal of all.



INNOVAZIONE E MIGLIORAMENTO CONTINUO INNOVATION AND CONTINUOUS IMPROVEMENT

Ci vuole coraggio per essere in anticipo sui tempi. Non dobbiamo aver paura del cambiamento. Innovazione è quando guardi con occhi diversi la realtà che ad altre persone appare uguale. Miglioramento continuo è un processo che si sviluppa a piccoli passi con effetti a medio-lungo termine che produce cambiamenti graduali e continui.

It takes a lot of courage to be ahead of our time. We must not be afraid of change. Innovation means looking at things with a different perspective from how other people regard things, sometimes as being unchangeable. Continuous improvement is a process that develops through small steps with medium to long-term effects, producing gradual and continuous changes.



QUALITÀ PER LA SODDISFAZIONE DEL CLIENTE QUALITY FOR CUSTOMER SATISFACTION

Le organizzazioni esistono perché vi sono clienti che hanno esigenze ed il loro successo dipende dalla capacità di soddisfarle. La soddisfazione dei clienti dipende a sua volta dalla qualità dei prodotti / servizi forniti.

Businesses exist because there are customers who have needs, and their success depends on the ability to satisfy those needs. Customer satisfaction depends on the quality of the products/services provided.



COLLABORAZIONE ED ENTUSIASMO COOPERATION AND ENTHUSIASM

Collaborazione, passione ed entusiasmo sono il motore del nostro lavoro. Grazie alla collaborazione e all'entusiasmo nascono le idee più innovative. In gruppo si raggiungono vette che da solo non potresti mai raggiungere. È la passione che ci guida, trasmettiamola!

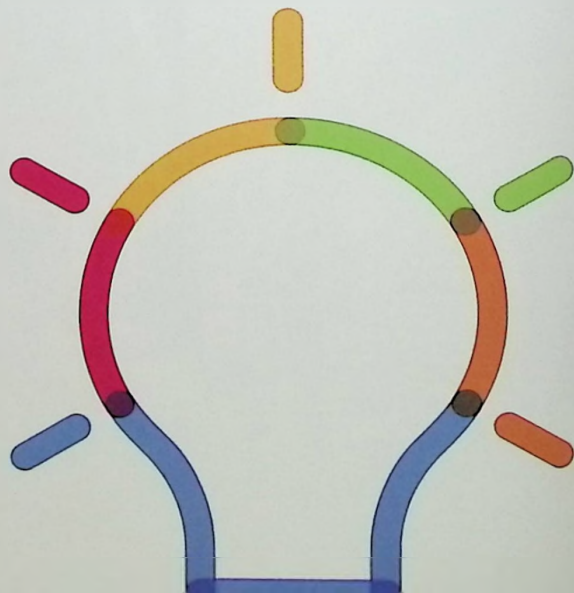
Collaboration, passion and enthusiasm are the engine that propels our work. Thanks to collaboration and enthusiasm, the most innovative ideas are born. A group you can reach objectives that you could never reach alone. It is passion that drives us, let's transmit it!



ETICA E CRESCITA SOSTENIBILE ETHIC AND SUSTAINABLE GROWTH

Lo scopo dell'impresa non deve essere semplicemente la produzione del profitto bensì l'esistenza stessa dell'impresa come comunità di uomini che, in modo diverso, perseguono gli stessi obiettivi. Ogni persona coinvolta nell'impresa ha una responsabilità morale. Attenzione al presente per una sostenibilità futura.

Our objective is not only to produce for profit but also to make our enterprise a community of people who, in different ways, pursue our same goals. Every person involved has a moral responsibility. Attention to the present for future sustainability.



LE CERTIFICAZIONI THE CERTIFICATIONS

ISO 9001

Il miglioramento continuo come requisito del Sistema Aziendale, il sostanziale riferimento ai clienti e alla loro soddisfazione, le risorse umane e la loro specializzazione certificano Master ISO 9001. Questa certificazione valorizza lo sforzo compiuto da sempre per assicurare qualità ai prodotti ed ai servizi, sempre nell'obiettivo di soddisfare al meglio le esigenze della clientela.

Continuous improvement required by the Company Quality Management System, utmost attention to customers, to their complete satisfaction, to our human resources and to their specialization all contribute to the company's ISO 9001 certification, which highlights our consistent effort to guarantee quality products and services with the aim of best responding to our customers' needs



ISO 14001

Master in Italia persegue una crescita ecosostenibile, integrando i principi di gestione ambientale nello sviluppo dei prodotti e nella gestione dei processi. Per questo ha avviato un sistema di gestione ambientale conforme alla ISO 14001, norma internazionale di certificazione volontaria.

Master also pursues an environmentally sustainable growth, integrating the best principles of environmental management into our product development and process management. Accordingly, it has launched an Environmental Management System in compliance with the voluntary international standards of ISO 14001.



LIFE CYCLE ASSESSMENT

Master ha adottato il Life Cycle Assessment (LCA) metodo che valuta l'insieme di interazioni che un prodotto ha con l'ambiente, considerandone il suo intero ciclo di vita che include: le fasi di pre-produzione (quindi anche estrazione e produzione dei materiali), produzione, distribuzione, uso (quindi anche riuso e manutenzione), riciclaggio e dismissione finale. La procedura LCA è standardizzata a livello internazionale dalle norme ISO 14040 e 14044.

Master has adopted the Life Cycle Assessment (LCA) method, which evaluates the set of interactions that a product has with the environment, considering its entire lifecycle. This concerns all the phases of pre-production (i.e. the extraction and production of materials), manufacturing, distribution, use (inc. reuse and maintenance), recycling and final disposal. This LCA procedure is internationally standardized by ISO 14040 and 14044.



GBC

Non esiste un protocollo LEED ma una serie di protocolli accomunati da uno schema concettuale comune, diversificati in funzione della tipologia di edificio. È un sistema nato in America e di diffusione internazionale. Il processo di certificazione prevede la presenza di un ente terzo, il Green Building Certification Institute (GBCI), quale ente certificatore super partes rispetto all'Ente normatore, il Green Building Council (GBC), e al gruppo progettazione/realizzazione. I prodotti della linea WEEN di Master contribuiscono al rilascio dei crediti per lo standard LEED®.

There isn't a LEED protocol but a set of protocols sharing a common conceptual framework, diversified depending on the type of building. It is a system born in America and spread internationally.

The certification process requires the presence of a third party, the Green Building Certification Institute (GBCI) as a certification authority super partes respect to Institute giving norms, the Green Building Council (GBC), and the design / realization group. The products of WEEN line Ween contributes to achieve LEED® credits standards.



AEO

La certificazione AEO vale in tutto il territorio doganale comunitario. Tale autorizzazione attribuisce all'azienda una "patente" di affidabilità e di solvibilità a cui sono collegati una serie di vantaggi: meno controlli fisici e scanner, minore burocrazia con conseguente riduzione dei costi doganali, sdoganamento telematico e centralizzato in tutta l'Unione Europea. I nostri clienti in questo modo vedranno ridotti se non azzerati i tempi di attesa in dogana.

AEO certification is valid throughout the Community customs territory. This authorization gives the company a "license" of reliability and solvency with many advantages: fewer physical inspections and scanners, less bureaucracy with a consequent reduction in customs costs, electronic and centralized customs clearance throughout the European Union. Our customers who will see reduced and quite eliminated the waiting time at customs.



FINESTRE DI SUCCESSO

WINDOWS OF SUCCESS





FINESTRE DI SUCCESSO

storie di eccellenza italiana

"Finestre di successo" è la rubrica di masteritaly.com dedicata all'eccellenza dell'industria italiana dei serramenti. In questa sezione si riportano ogni mese i casi di successo e le migliori realizzazioni effettuate dai produttori italiani di serramenti che utilizzano gli accessori Master, con l'intento di dare la giusta visibilità a coloro che da sempre hanno fatto della qualità e della professionalità i valori fondanti del proprio lavoro.

"Saper fare bene le cose per il proprio piacere: una regola di vita semplice e rigorosa che ha consentito lo sviluppo di tecniche raffinatissime e la nascita della conoscenza scientifica moderna. Perché chi sa governare se stesso e dosare autonomia e rispetto delle regole, non solo saprà costruire una meravigliosa facciata, un orologio dal meccanismo perfetto o un ponte capace di sfidare i millenni, ma sarà anche un cittadino giusto".

"Windows of Success" is the column on masteritaly.com dedicated to the excellence of the Italian window and door industry. Every month, in this column, we talk about success stories and the best achievements reached by Italian window and door manufacturers who use Master accessories, with the intent to give the right visibility to those who have always made quality and professionalism. Knowing how to do things well for your own pleasure: a rule of life. The core values of their work.

"Being able to do things well for your own pleasure: a rule of a simple and rigorous life that has allowed for developing refined techniques and giving rise to modern scientific knowledge because those who know how to govern themselves and dose autonomy, while respecting rules, not only will build a wonderful facade, a watch with a perfect mechanism, or a bridge capable of challenging millennia, but will also be a righteous citizen".



WINDOWS OF THE WORLD

La comunità italiana "Finestre di Successo" è cresciuta nel tempo diventando "Windows of the World", un'estensione internazionale che raccoglie i progetti più ambiziosi realizzati con accessori Master in oltre 50 paesi. Un viaggio esplorativo tra i cantieri più importanti e le partnership più prestigiose che hanno permesso all'azienda Master di contribuire, nel corso degli anni, alla creazione di opere di importanza mondiale.

The Italian community "Finestre di Successo" grows and becomes "Windows of the World", an extension that is required to enable the most ambitious projects realized with Master accessories in over 50 countries. An exploratory trip between the most ambitious building sites and the more interesting partnerships that have enabled Master company to contribute, over the years, to the creation of works of world importance.



PALM TOWER



BLUE WATERS



TIARA UNITED TOWER



329 PLEASANT



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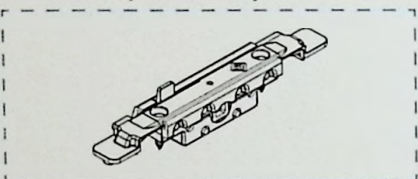
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- 02 平开门.....35-61p
- 03 幕墙上悬窗.....62-79p
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PROGRAMMA WEEN WEEN PROGRAM

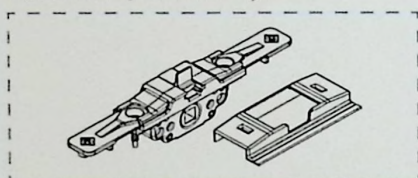
LA GAMMA COMPLETA DI SOLUZIONI PER SISTEMI ANTA RIBALTA
THE COMPLETE RANGE OF SOLUTIONS FOR TILT AND TURN SYSTEMS

MOVIMENTAZIONI MONODIREZIONALI SHARK SHARK ONE-WAY MOVEMENT

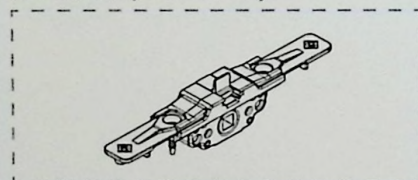
ENTRATA / ENTRY 3,3



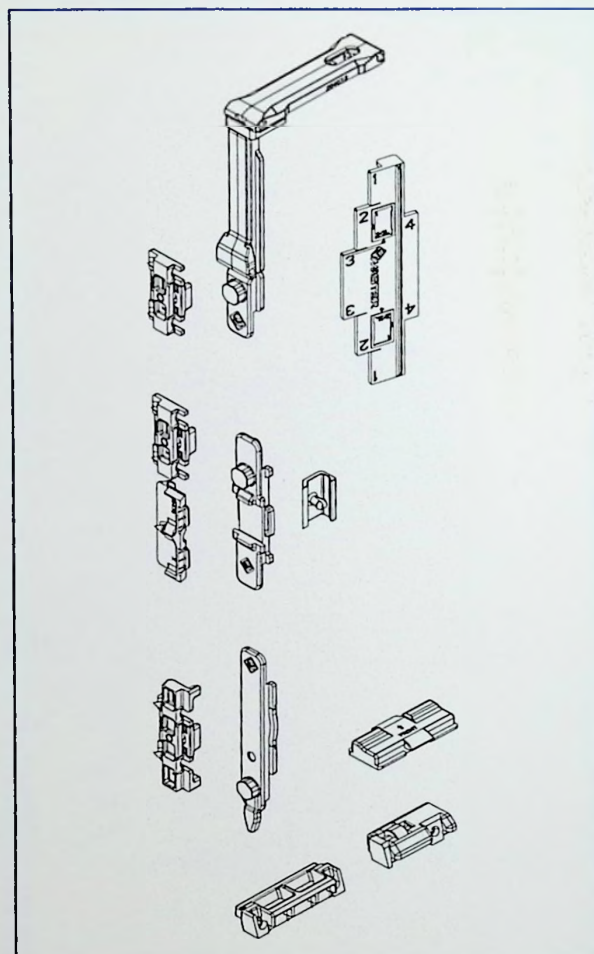
ENTRATA / ENTRY 9,5



ENTRATA / ENTRY 11,5

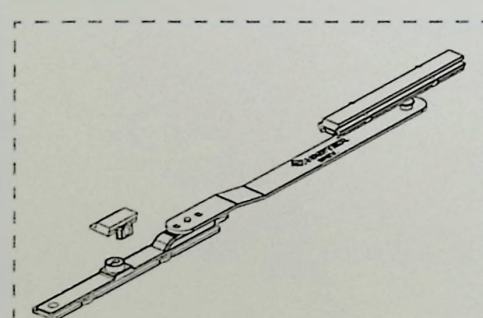


WEEN KIT CHIUSURE WEEN CLOSING KIT

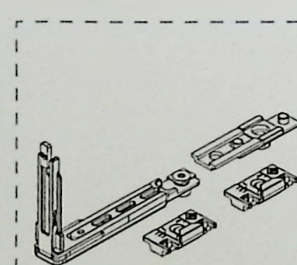


BRACCIO E CHIUSURE SUPPLEMENTARI | ADDITIONAL ARM AND CLOSING KIT

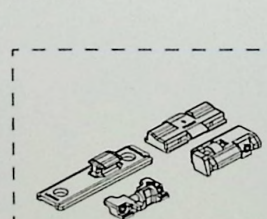
KIT BRACCIO SUPPLEMENTARE ADDITIONAL ARM



KIT CHIUSURE KIT LOCKING POINT



KIT CHIUSURE ORIZZONTALI INFERIORI EXTRA LOCKING POINT

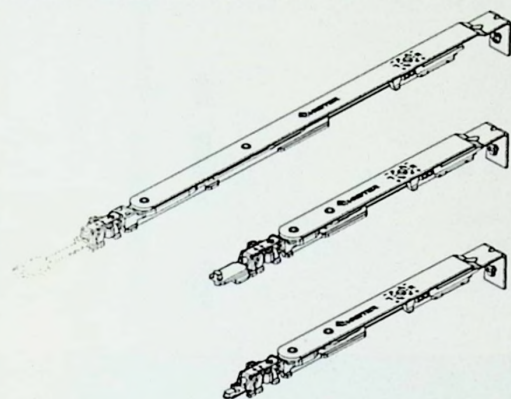


PUNTO DI CHIUSURA ANTIEFFRAZIONE BURGLARY RESISTANT LOCKING POINT

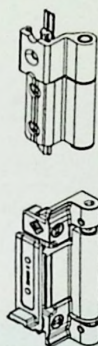


WEEN 100/160 kg

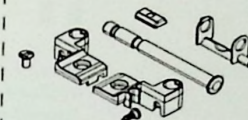
BRACCI | ARMS



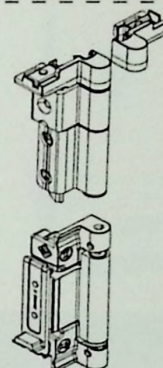
**WEEN KIT
CERNIERE 100 Kg
WEEN HINGES**



**WEEN KIT
CONVERSIONE 160 kg
WEEN CONVERSION
KIT**

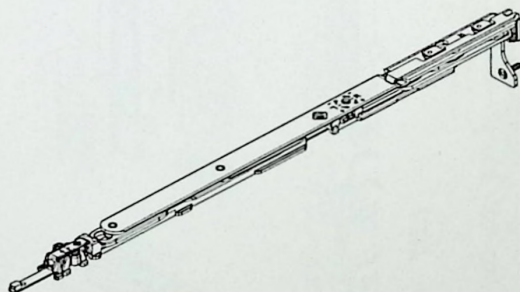


**WEEN KIT
CERNIERE 160 Kg
WEEN HINGES**

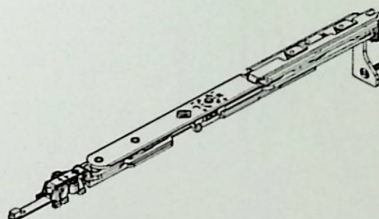


WEEN HIDE 110°

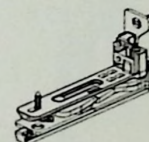
**CERNIERA SUPERIORE BRACCIO LUNGO
UPPER CONCEALED HINGE - LONG ARM**



**CERNIERA SUPERIORE BRACCIO
CORTO
UPPER CONCEALED HINGE - SHORT
ARM**

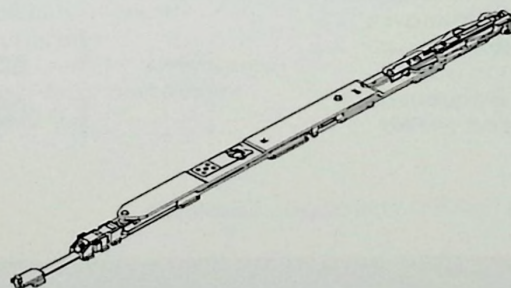


**CERNIERA
INFERIORE
LOWER
CONCEALED HINGE**

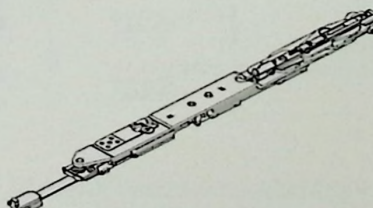


WEEN HIDE 180°

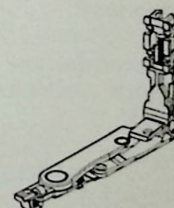
**CERNIERA SUPERIORE BRACCIO LUNGO
UPPER CONCEALED HINGE - LONG ARM**



**CERNIERA SUPERIORE BRACCIO
CORTO
UPPER CONCEALED HINGE - SHORT
ARM**



**CERNIERA
INFERIORE
LOWER
CONCEALED HINGE**



WEEN KIT CHIUSURE



Kit chiusure Ween | Ween closing kit | Kit de fermeture Ween | Kit de cierre Ween



Rinvio d'angolo,
terminali e riscontri
in zama.



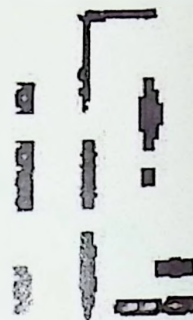
Corner return,
terminals and handles
in zamak.



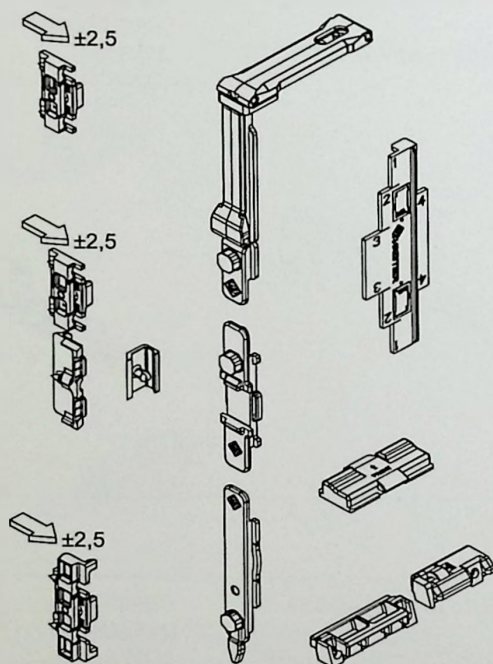
Renvoi d'angle,
embout de
tringle et gâches en
zamak.



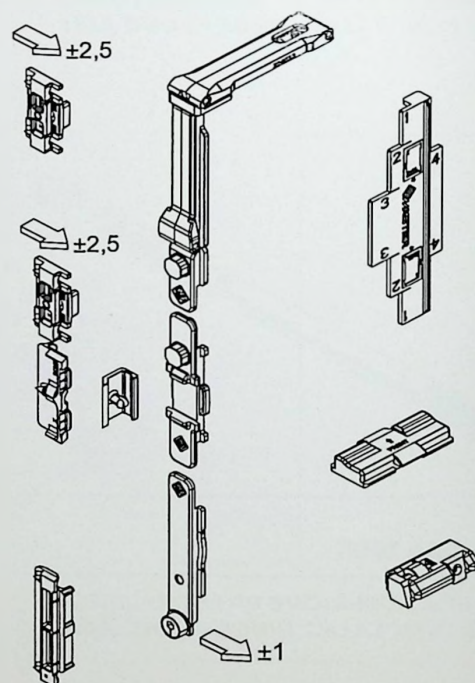
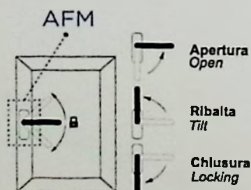
Reenvio de
ángulo Bloqueo y
cerradero de zamak.



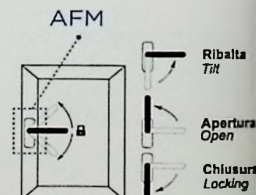
ART.	3320F.1				3320LF.1			
Imballo Package Conditionnement Embalaje	5 Kit				5 Kit			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4



Art. 3320F.1
Kit base standard con
antifalsamanovra sulla
cremonese
Standard kit with *anti-
false manoeuvre on
cremone bolt (AFM)*



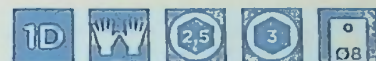
Art. 3320LF.1
Kit base manovra logica
con antifalsamanovra
sulla cremonese
Logic version with
*anti-false manoeuvre on
cremone bolt (AFM)*



ABBINABILI A MOVIMENTAZIONI: 3627 | 3627.2 | 3627F.1 | 3627F.3 | 3630.20 | 3630F.20

ART.	NODO SECTION
3320F.1 3320LF.1	A01 - A02 - A03 - A04 - A05 - A06 - A07

WEEN KIT CHIUSURE



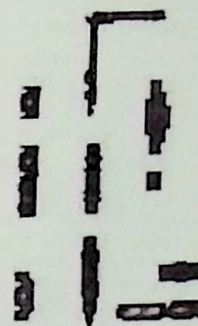
Kit chiusura Ween | Ween closing kit | Kit de fermeture Ween | Kit de fermeture Ween

Rinvio d'angolo,
embout de rencontre
en zamak.

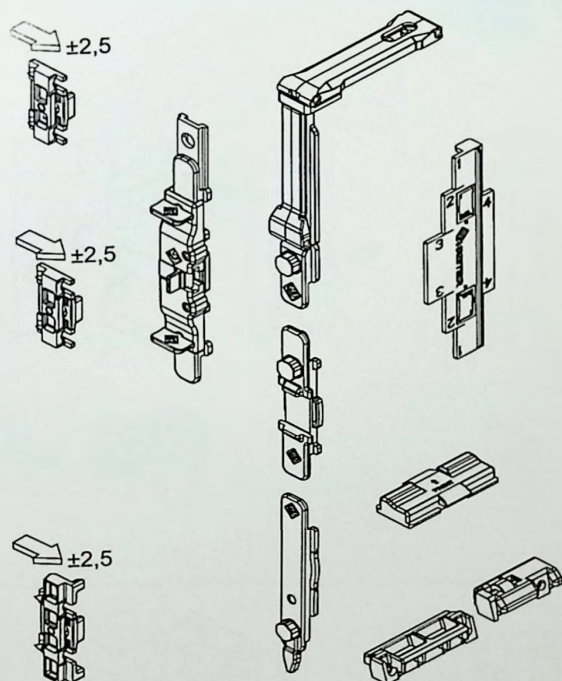
Corner return,
terminals and handles
in zamak.

Renvoi d'angle,
embout de
tringle et gâches en
zamak.

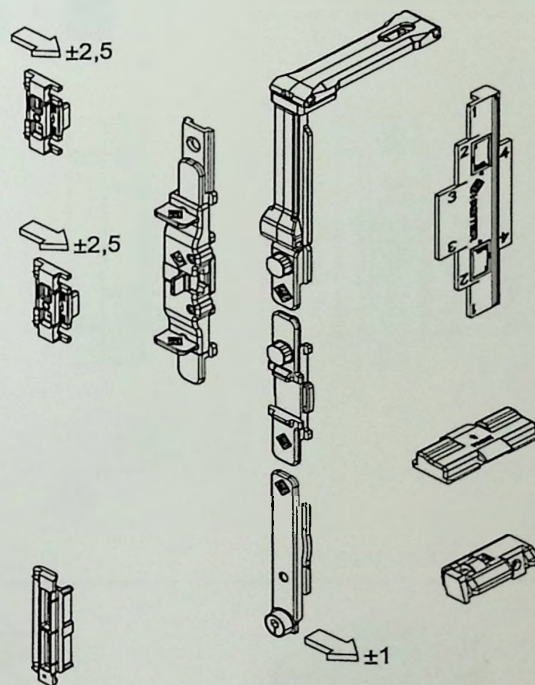
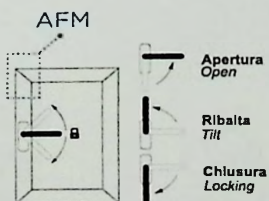
Reenvío de
ángulo Bloqueo y
cerradero de zamac.



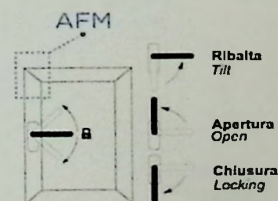
ART.	3320F.2				3320LF.2			
Articolo Article Conditionnement Embalaje	5 Kit				5 Kit			
Finishes disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4



Art. 3320F.2
Kit base standard con
antifalsamanovra
superiore
Standard kit with upper
anti-false manoeuvre
(AFM)



Art. 3320LF.2
Kit base manovra logica
con antifalsamanovra
superiore
Logic version with upper
anti-false manoeuvre
(AFM)



ABBINABILI A MOVIMENTAZIONI: 3627.10 | 3627.12 | 3627F.11 | 3627F.13 | 3630.30 | 3630F.30

ART.	NODO SECTION
3320F.2 3320LF.2	A01 - A02 - A03 - A04 - A05 - A06 - A07

WEEN KIT CERNIERE 100kg



Kit Cerniere Ween | Ween hinge | Charnières Ween | Bisagras Ween



Cerniere in estruso e zama, contropiastre in zama e acciaio inox e viti; perni viti e grani in acciaio inox.



Extruded aluminum and zamak hinges, counterplates in stainless steel and zamak, screws and setscrews in stainless steel.



Charnières en aluminium extrudé et zamak, gôches en acier inox et zamak, vis et grains en acier inox.

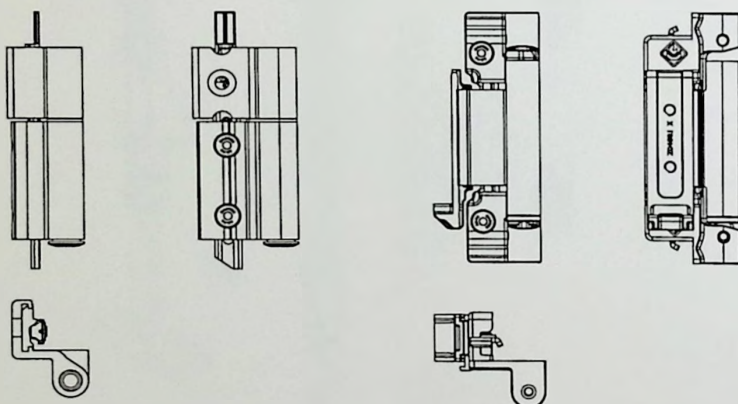


Bisagras de aluminio extruido y zamak, cerraderos de acero y zamak, tornillos y prisioneros de acero inox.



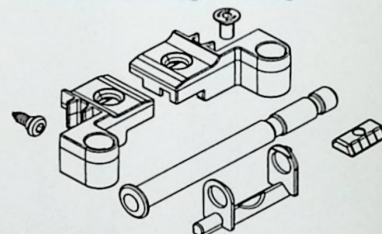
ART.	3400.24				3420.52			
Imballo Package Conditionnement Embalaje	5 Pz				5 Pz			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4

Art. 3400.24



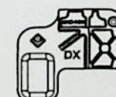
Art. 3420.52

Kit di conversione 100kg >>>160kg
Conversion kit 100kg >>>160kg

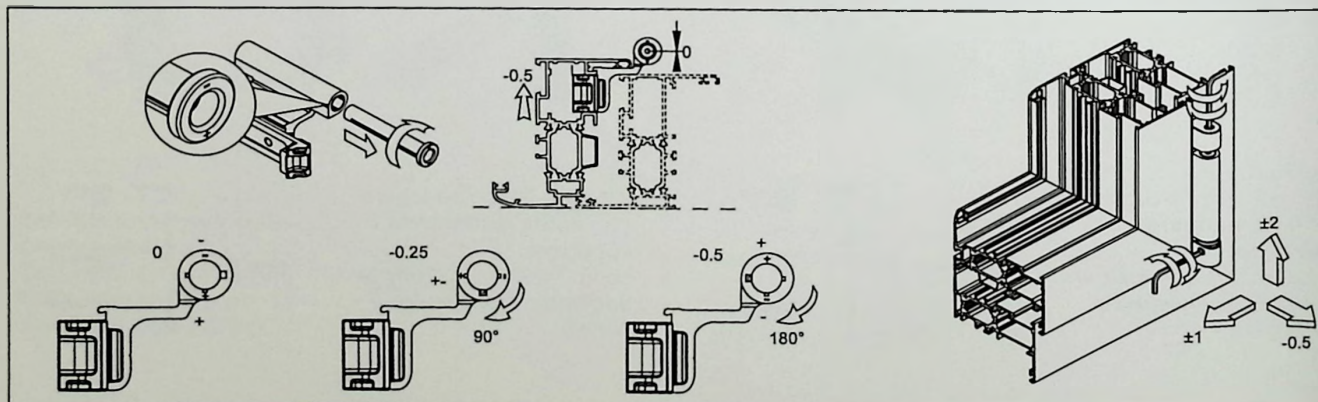


Art. 3400.50

Dima di foratura
Drilling template



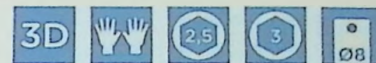
REGOLAZIONI | ADJUSTEMENT



ART.	NODO SECTION
3400.24	A01 - A02 - A03 - A04 - A05 - A06 - A07



WEEN KIT CERNIERE 160kg



Kit Cerniere Ween | Ween hinge | Charnières Ween | Bisagras Ween



Cerniere in estruso e
zama, contropiastre
in zama, bulloni
inox e viti in acciaio
inox.



Extruded aluminum
and zamak hinges,
counterplates in
stainless steel and
zamak, screws and
setscrews in stainless
steel.



Charnières en
aluminium extrude
et zamak, gâches en
acier inox et zamak,
vis et grains en acier
inox.

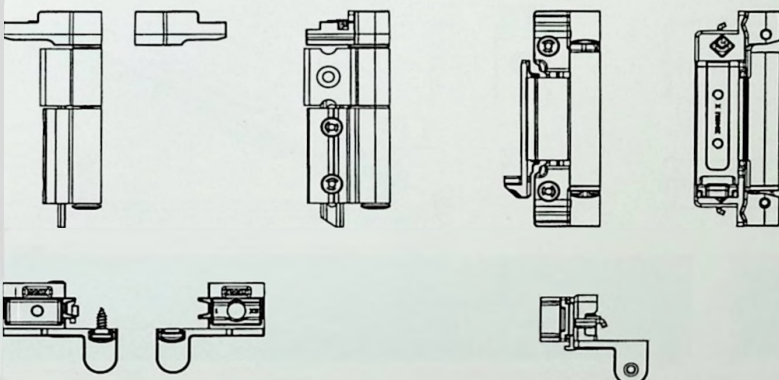


Bisagras de aluminio
extruido y zamak,
cerraderos de acero
y zamak, tornillos y
prisioneros de acero
inox.

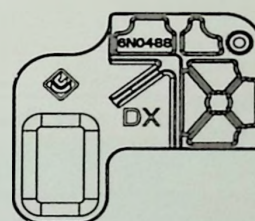


ART.	3420.24			
Unità Package Conditionnement Embalaje	5 Pz			
Finishes disponibili Available finishes Finishes disponibles Acabados disponibles	1	2	3	4

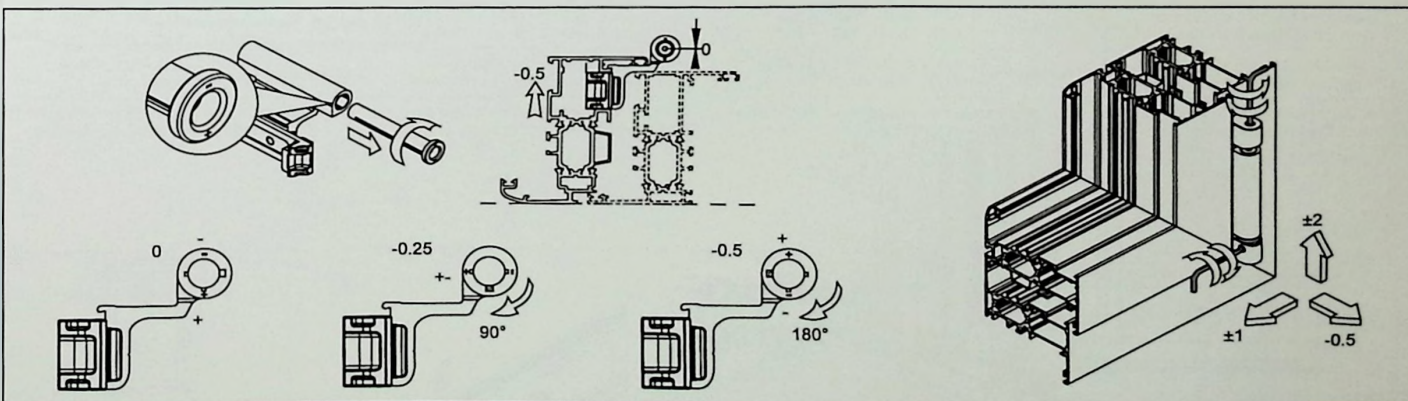
Art. 3420.24



Art. 3400.50
Dina di foratura
Drilling template



REGOLAZIONI | ADJUSTEMENT



ART.	NODO SECTION
3420.24	A01 - A02 - A03 - A04 - A05 - A06 - A07

WEEN

BRACCIO PER ANTA RIBALTA

Braccio anta ribalta Ween | Ween tilt and turn arm
Bras oscillo-battant Ween | Compás oscilobatiente Ween



Leve, viti e grani in
Acciaio inox, corpo
in zama, antivento in
nylon



Levers, screw and
setscrews in stainless
steel, zamak body,
nylon windproof
system



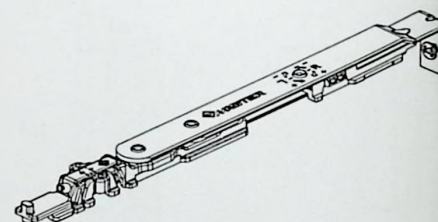
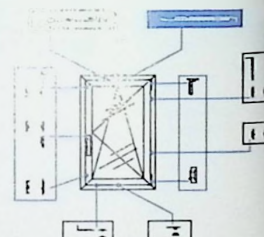
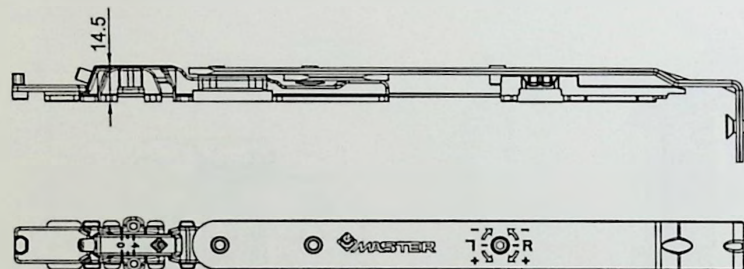
Leviers, vis et grains
en acier inox, corps
en zamak, système
protégeant du vent
en nylon



Levas, tornillos
y prisioneros de
acero inox, cuerpo
de zamac, sistema
contaviento de nylon



ART.	TUTTI I COLORI TODOS LOS COLORES
Imballo Package Conditionnement Embalaje	5 Pz
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1 2 3 4



ANTA RIBALTA TILT AND TURN		
DESCRIZIONE DESCRIPTION	ART.	NODO SECTION
L anta da 370mm a 450mm L sash from 370mm to 450mm	3400.20**	A01 - A02 - A03 - A04 - A05 - A06 - A07
L anta da 451mm a 650mm L sash from 451mm to 650mm	3400.21*	A01 - A02 - A03 - A04 - A05 - A06 - A07
L anta da 651mm a 1700mm L sash from 651mm to 1700mm	3400.22*	A01 - A02 - A03 - A04 - A05 - A06 - A07
L anta da 565 mm a 1700mm L sash from 565 mm to 1700mm	3400A.22**	A01 - A02 - A03 - A04 - A05 - A06 - A07

* Perno microventilazione integrato
* Microventilation pin built-in

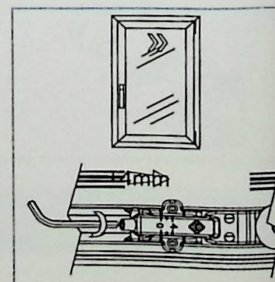
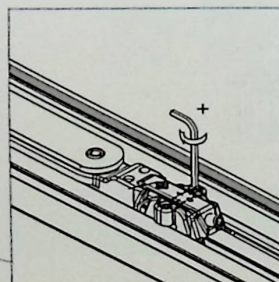
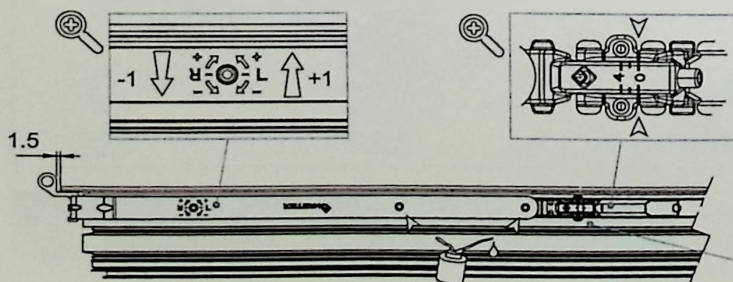
** Braccio con aggancio antieffrazione
** Arm with anti-burglar connection

LOGICA TILT BEFORE TURN		
DESCRIZIONE DESCRIPTION	ART.	NODO SECTION
L anta da 370mm a 450mm L sash from 370mm to 450mm	3400L.20 **	A01 - A02 - A03 - A04 - A05 - A06 - A07
L anta da 451mm a 650mm L sash from 451mm to 650mm	3400L.21*	A01 - A02 - A03 - A04 - A05 - A06 - A07
L anta da 651mm a 1700mm L sash from 651mm to 1700mm	3400L.22*	A01 - A02 - A03 - A04 - A05 - A06 - A07
L anta da 555 mm a 1700 mm L sash from 555 mm to 1700mm	3400LA.22**	A01 - A02 - A03 - A04 - A05 - A06 - A07

* Perno microventilazione integrato
* Microventilation pin built-in

** Braccio con aggancio antieffrazione
** Arm with anti-burglar connection

REGOLAZIONI | ADJUSTEMENT



WEEN HIDE 110

CERNIERA INFERIORE



Cerniera a scomparsa inferiore regolabile per A/R |
Adjustable Lower Concealed Hinge for T&T |
Paumelle invisible inférieure réglable por O/B | Bisagra Oculta
inferior para O/B



Leve in acciaio,
corpo di regolazione
in zamak. Portata
max 120 Kg - 150 Kg,
a assortir con 3310.50



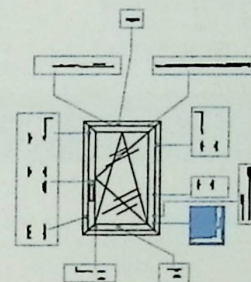
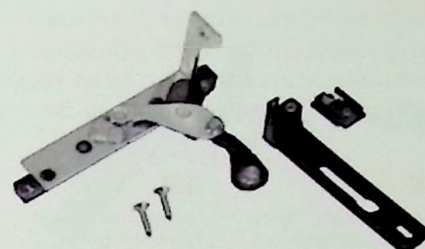
Levers in stainless
steel, fixing -set
zamak body. Portée:
Maximum load :
120kgs- 150Kgs
combined with
3310.50



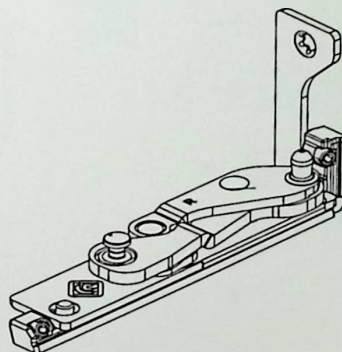
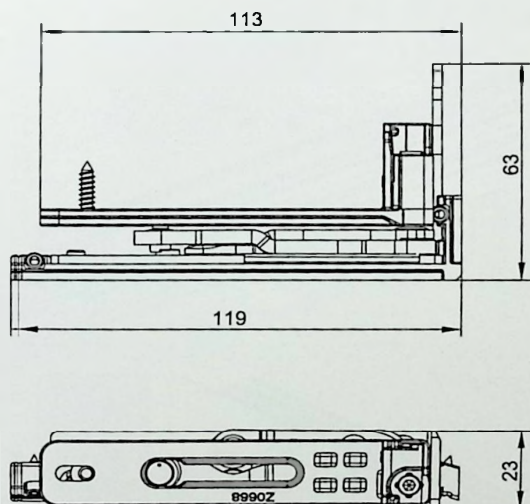
Leviers en acier,
corps de réglage
en zamak. Portée:
120 kgs- 150 kgs, à
assortir avec 3310.50



Levas de acero,
cuerpo de regulación
de zamak. Soporta
hasta: 120 kgs- 150
kgs, se combina con
3310.50

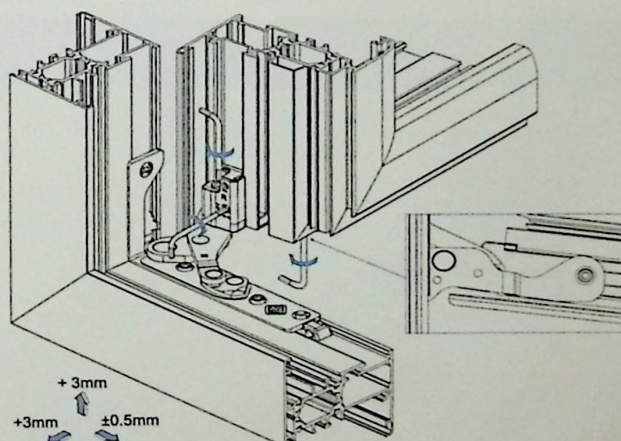


ART.	3312S/D			
Imballo Package Conditionnement Embalaje	5 Pz			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4



ART.	NODO SECTION
3312S/D	A01 - A02

REGOLAZIONI | ADJUSTMENT



WEEN HIDE 110

CERNIERA SUPERIORE



Cerniera a scomparsa con braccio regolabile per A/R e A/R logica |
Concealed Hinge with adjustable arm for T&T and logic T&T |
Paumelle invisible avec bras réglable pour O/B et logique |
Bisagra oculta con compás de regulación para O/B y O/B lógica



Leve in acciaio, corpo
di regolazione in
zama.
Portata massima:
120 Kg - 150 Kg
in abbinamento a
3310.50



Levers in stainless
steel, fixing -set
zamak body.
Maximum load :
120kgs- 150Kgs
combined with
3310.50

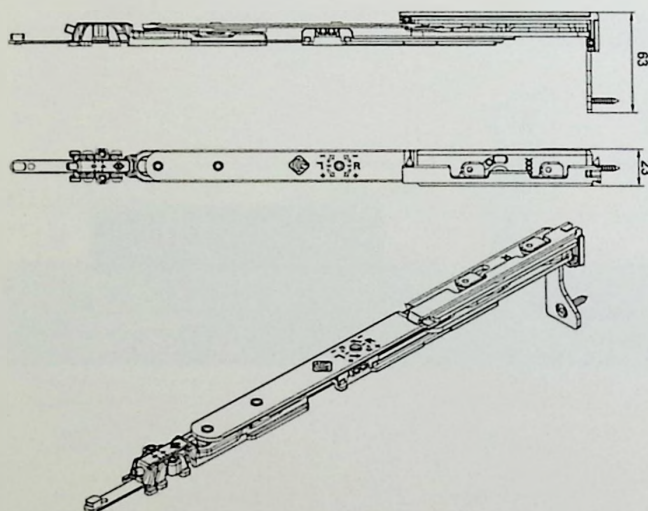
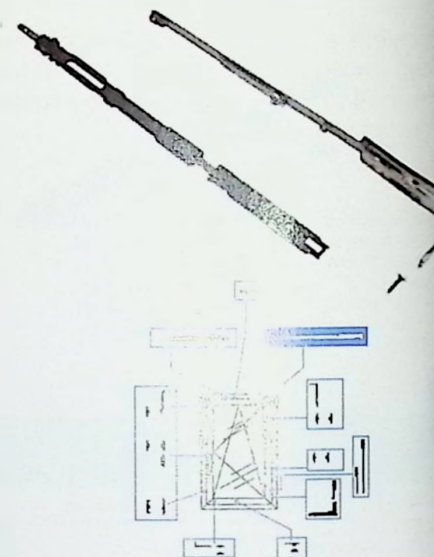


Leviers en acier,
corps de réglage
en zamak. Portée:
120 kgs- 150 kgs, à
assortir avec 3310.50

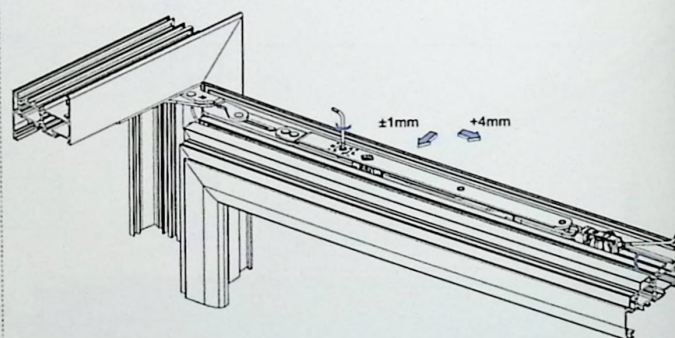


Levas de acero,
cuerpo de regulación
de zamak. Soporta
hasta: 120 kgs- 150
kgs, se combina con
3310.50

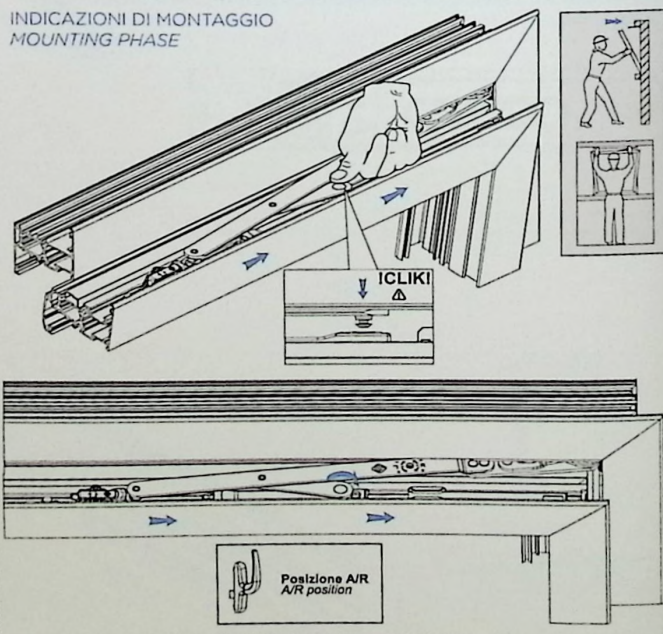
ART.	3312.20S/D 3312L.20S/D				3312.21S/D 3312L.21S/D			
Imballo Package Conditionnement Embalaje	5 Pz				5 Pz			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4



REGOLAZIONI | ADJUSTEMENT



INDICAZIONI DI MONTAGGIO MOUNTING PHASE



DESCRIZIONE DESCRIPTION	ART.	NODO SECTION
L anta da 430mm a 560mm* L sash from 430mm to 560mm*	3312.20S/D 3312L.20S/D	A01 - A02
L anta da 561mm a 1700mm* L sash from 561mm to 1700mm*	3312.21S/D 3312L.21S/D	A01 - A02

* Braccio con aggancio antieffrazione
* Arm with anti-burglar connection

BETWEEN HIDE 180

CERNIERA INFERIORE



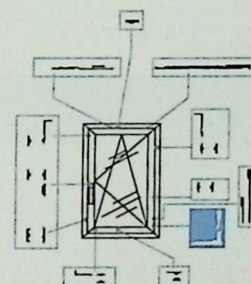
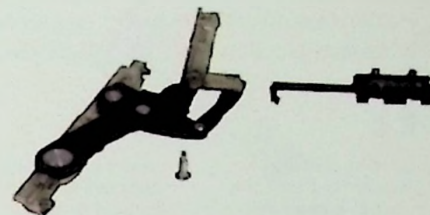
Cerniera a scomparsa inferiore regolabile per A/R |
Adjustable lower concealed hinge for T&T |
Paumelle invisible inférieure réglable por O/B | Bisagra Oculta
inferior para O/B

Leve in acciaio,
supporto in ottone,
corpo di regolazione
in ottone e zinco,
fissaggio in acciaio.
Portata massima:
130 kgs- 170 kgs, se
combinata con 3310.50

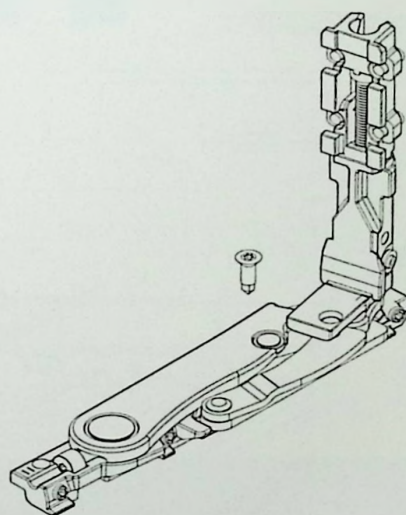
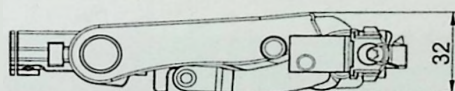
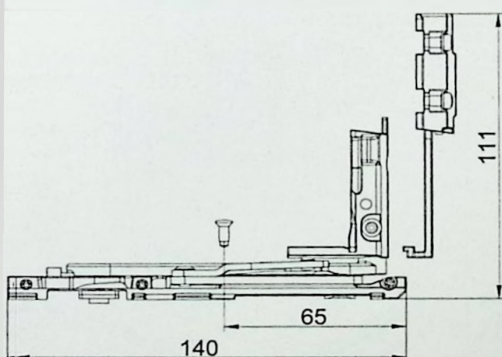
Levers in stainless
steel, brass support,
fixing -set zamak and
brass body. Maximum
load : 130kgs- 170Kgs
combined with
3310.50

Leviers en
acier, support en
laiton, corps de
réglage en zamak
et laiton. Portée:
130 kgs- 170 kgs, à
assortir avec 3310.50

Levas de acero,
soporte en latón,
cuerpo de regulación
de zamak y latón.
Soporta hasta: 130
kgs- 170 kgs, se
combina con 3310.50

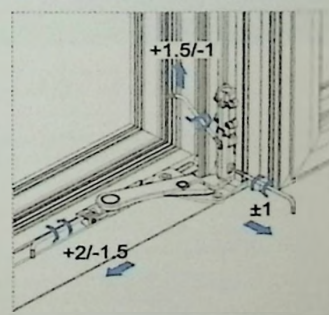


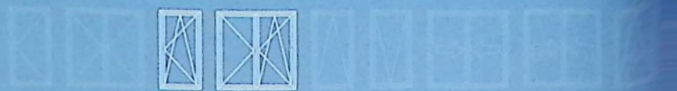
ART.	3301S/D				3302S/D			
Embalaje Conditionnement Embalaje	5 Pz				5 Pz			
Finishes disponibles Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4



Art.	Nodo Section
3301D	A03
3301S	
3302D	A02 - A06
3302S	

REGOLAZIONI | ADJUSTEMENT



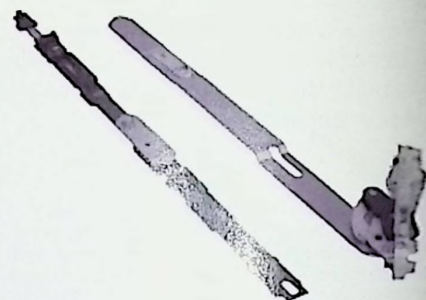


WEEN HIDE 180

CERNIERA SUPERIORE



Cerniera a scomparsa con braccio regolabile per A/R e A/R logica
Concealed Hinge with adjustable arm for T&T and Logic T&T |
Paumelle invisible avec bras réglable pour O/B et Logique |
Bisagra oculta con compás de regulación para O/B y O/B lógica



Leve in acciaio,
supporto in ottone,
corpo di regolazione
in zama. Portata
massima: 130 Kg - 170
Kg in abbinamento a
3310.50



Levers in stainless
steel, brass support,
fixing -set zamak
body. Maximum load
: 130kgs- 170Kgs
combined with
3310.50

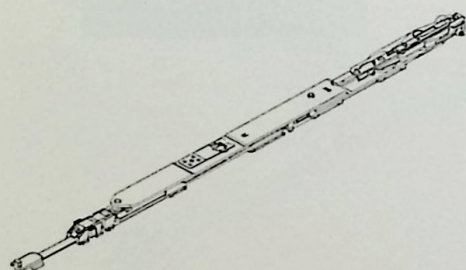
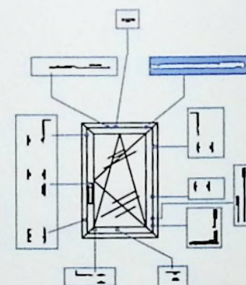
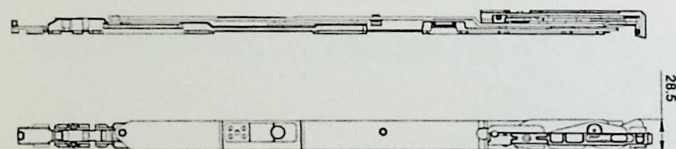


Leviers en
acier, support en
laiton, corps de
réglage en zamak.
Portée: 130 kgs- 170
kgs, à assortir avec
3310.50

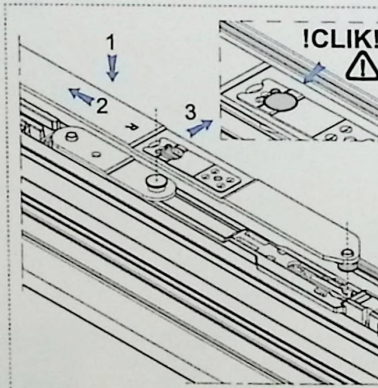


Levas de acero,
soporte en latón,
cuerpo de regulación
de zamak. Soporta
hasta: 130 kgs- 170
kgs, se combina con
3310.50

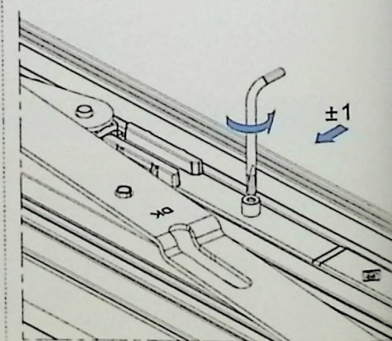
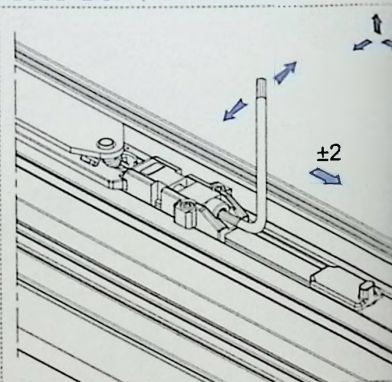
ART.	3301.21S/D				3302.21S/D				3301L.21S/D				3302L.21S/D			
Imballo Package Conditionnement Embalaje	5 Pz				5 Pz				5 Pz				5 Pz			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4



INDICAZIONI DI MONTAGGIO MOUNTING PHASE



REGOLAZIONI | ADJUSTMENT



DESCRIZIONE DESCRIPTION	ART.	NO DO SECTION
L anta da 460mm a 670mm L sash from 460mm to 670mm	3301.20S/D	A03
	3302.20S/D	A02 - A06
L anta da 460mm a 670mm L sash from 460mm to 670mm	3301L.20S/D	A03
	3302L.20S/D	A02 - A06
L anta da 671mm a 1700mm L sash from 671mm to 1700mm	3301.21S/D	A03
	3302.21S/D	A02 - A06
L anta da 671mm a 1700mm L sash from 671mm to 1700mm	3301L.21S/D	A03
	3302L.21S/D	A02 - A06

**BREVETTATO
PATENTED**



Cassa e manico
alluminio pressofuso:
cassa: magliera, stipone
e spaccapane.
Manico: 270°/45°
e 135°/45°.
Manico: 270°/45°
e 135°/45°.
Manico: 270°/45°
e 135°/45°.
Manico: 270°/45°
e 135°/45°.
Manico: 270°/45°
e 135°/45°.



Case and handle in die-cast aluminium; rack, pinion and cover in galvanized zamak; Delrin guide and friction washer; galvanized steel screws; screws for locking cremone bolts on profile in stainless steel



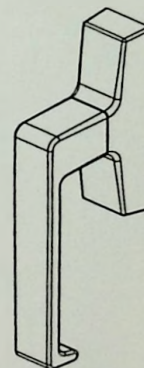
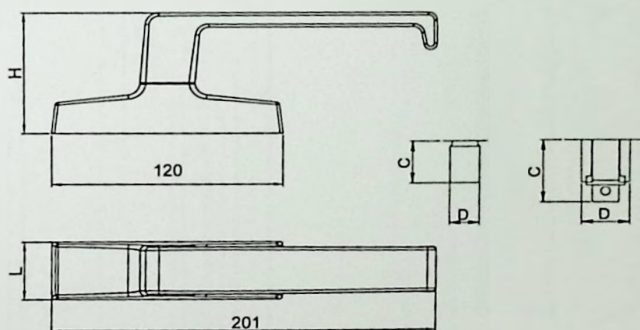
Caisse et poignée en aluminium moulées sous pression; crémaillères, pignon et couvre-caisse en zamak zingué; guide et rondelle de friction en delrin; vis en acier zingué; vis de blocage de la crèmeone sur profilé en acier inox.



Caja y mango de aluminio de fundición; cremalleras, piñón y cobertura de caja de zamac galvanizado; guía y arandela de fricción de delrin; tornillos de acero galvanizado; tornillos de bloqueo de la cremona sobre perfil de acero inox.



ART.	All			
imballo Package Conditionnement Embalaje	5 PZ			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4



	DESCRIZIONE DESCRIPTION	ART.	TIPO DI CORSORE SLIDER TYPE	L	H	C	D	CORSA STROKE	LAVORAZIONE MACHINING
	"ITALIA" Cremonese con interasse 104 e 84,5mm "ITALIA" Cremonese bolt with inter-axe 104 and 84,5mm	6008		32,5	68	21	14	17	84,5 - 104
	"ITALIA" Cremonese per anta ribalta con anti falsa manovra sulla cremonese "ITALIA" Cremonese bolt for Tilt&Turn with anti-false manoeuvre on the cremonese bolt	6018		32,5	68	31	22	17 + 17	104
	"ITALIA" Cremonese per anta ribalta con anti falsa manovra superiore "ITALIA" Cremonese bolt for Tilt&Turn with upper anti-false manoeuvre	6018 21		32,5	68	21	14	17 + 17	84,5 - 104
	"ITALIA" Cremonese con cilindro, interasse 104 e 84,5mm "ITALIA" Cremonese bolt with key, inter-axe 104 and 84,5 mm	6037		32,5	68	21	14	17	84,5 - 104
	"ITALIA" Cremonese con cilindro, per anta ribalta con anti falsa manovra sulla cremonese "ITALIA" Cremonese bolt with key and anti-false manoeuvre on the cremonese bolt	6038		32,5	68	31	22	17 + 17	104
	"ITALIA" Cremonese con cilindro, per anta ribalta manovra logica, interasse 104mm, apertura DX E SX "ITALIA" Cremonese bolt with key for Tilt before turn with anti-false manoeuvre on the cremonese bolt, inter-axe 104, Right and Left opening	6038 20D 6038 20S		32,5	68	31	22	17 + 17	104
	"ITALIA" Cremonese con cilindro, per anta ribalta manovra superiore logica, interasse 104mm, apertura DX E SX "ITALIA" Cremonese bolt with key for Tilt before turn with upper anti-false manoeuvre, inter-axe 104, Right and Left opening	6038 25D 6038 25S		32,5	68	21	22	17 + 17	104



ITALIA MARTELLINA

Martellina | Handle
Bequille a poignee | Maneta



Manico in alluminio pressofuso, cassa, copricassa e rotore in zama, viti e perno in acciaio.



Die-cast aluminium handle. Body, case and rotor in zamak steel screws and pin.



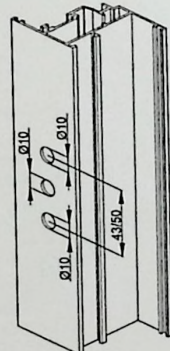
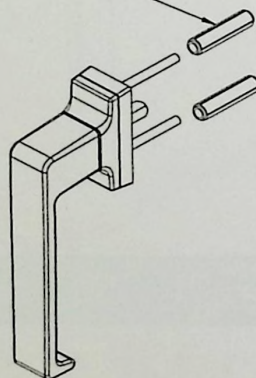
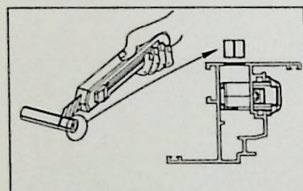
Béquille en aluminium moulées sous pression; caisse, couvre-caisse et rotor en zamak vis et pivot en acier.



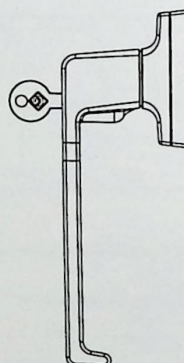
Mango de aluminio de fundición; caja, cobertura de caja y rotor de zamak tornillos y perno en acero.



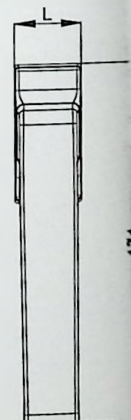
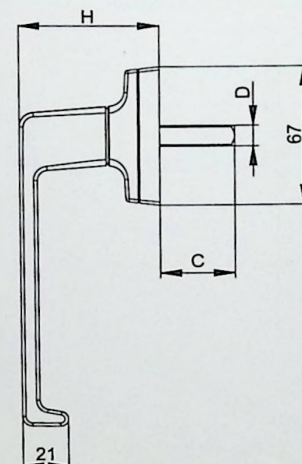
ART.	3072 3072.1				3072.10				3077.25D 3077.25S				3077.2 3077.3			
Imballo Package Conditionnement Embalaje	5 Pz				2 CP				5 Pz				5 Pz			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4



Art. 3077.2

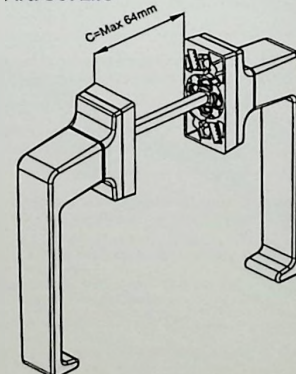


Art. 3072 | .1 | .5



	DESCRIZIONE DESCRIPTION	ART.	L	H	C	D
	"ITALIA" Martellina "ITALIA" Handle	3072	31	63.5	26mm	7
	"ITALIA" Martellina "ITALIA" Handle	3072.1	31	63.5	46mm	7
	"ITALIA" Doppia martellina "ITALIA" Double handle	3072.10	31	63.5	Max 64	7
	Martellina "ITALIA" con cilindro "ITALIA" handle with key	3077.2	31	63.5	26mm	7
	Martellina "ITALIA" con cilindro "ITALIA" handle with key	3077.3	31	63.5	46mm	7
	Martellina "ITALIA" logica DX - SX "ITALIA" handle for tilt before turn	3077.25D 3077.25S	31	63.5	26mm	7

Art. 3072.10





MINIMAL DESIGN

MARTELLINA



Martellina minimal design | Minimal design handle
Bequille a poignee design minimaliste | Maneta de diseño minimal

Mango in alluminio
pressofuso, tappo
in nylon, molla
in acciaio inossidabile,
vite a granaio e
perno in acciaio inox.

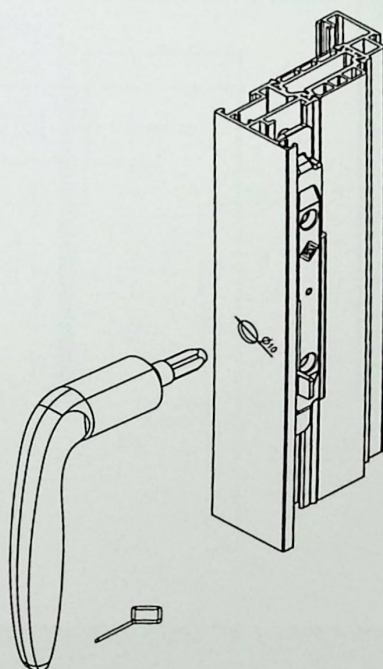
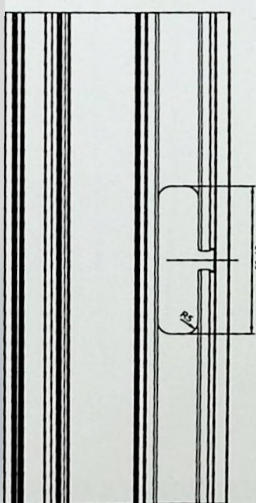
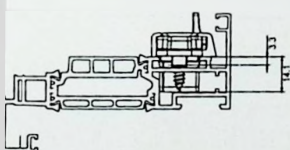
Handle in die-cast
aluminium, nylon plug
and washer, zamak
bush, setscrew,
stainless steel spring,
setscrew and pin.

Manche en aluminium
moulé sous pression,
nylon bouchon et
rondelle, bague en
zamak, grain, ressort
et pivot en acier
inox.

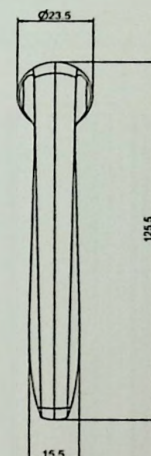
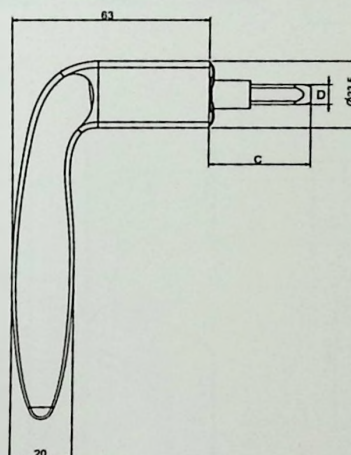
Mango en aluminio
de fundición, tapón
y arandela en nylon,
casquillo en zamak
prisionero, muelle
y perno en acero
inoxidable.



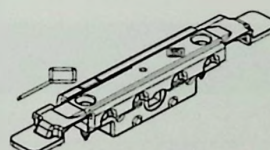
ART.	3093 3093.1 3093.2 3093.3 3093.4
Articolo Prodotto Conditionnement Embalaje	5 PZ
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1 2 3 4



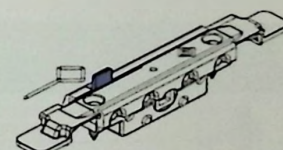
Art. 3093 | 3093.X



DESCRIZIONE DESCRIPTION	ART.	C	D
Martellina minimal design Minimal design handle	3093	15-33,5mm	7
Martellina minimal design Minimal design handle	3093.1	25-43,5mm	7
Martellina minimal design Minimal design handle	3093.2	30-48,5mm	7
Martellina minimal design Minimal design handle	3093.3	40-58,5mm	7
Martellina minimal design Minimal design handle	3093.4	60-78,5mm	7



CE	ERRE40
3630.10	3631.10



CE	ERRE40
3630	3631



Utilizzabile solo in abbinamento alla movimentazione
Art. 3630 | 3630.10 - Art. 3631 | 3631.10
Only usable with one way movement
Art. 3630 | 3630.10 - Art. 3631 | 3631.10

KARMA

MARTELLINA

BREVETTATO
PATENTED

Martellina minimal design | Minimal design handle
Bequille a poignee design minimaliste | Maneta de diseño minimal



Manico in alluminio
pressofuso, tappo
e rondella in
nylon, bussola in
zama, grano, molla e
perno in acciaio inox.



Handle in die-cast
aluminium, nylon plug
and washer, zamak
bush, setscrew,
stainless steel spring,
setscrew and pin.



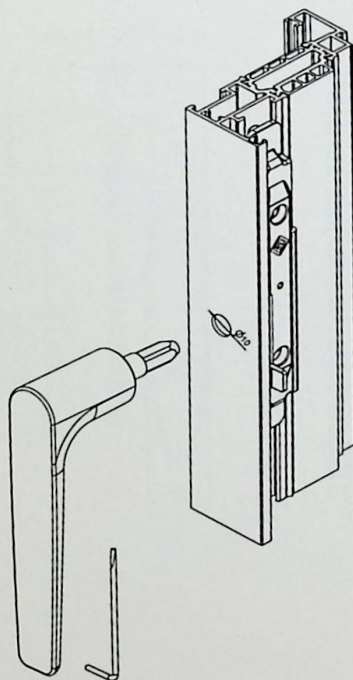
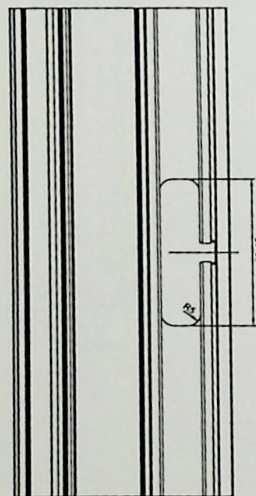
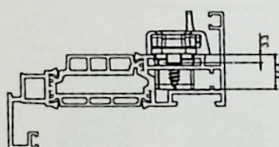
Manche en aluminium
moulé sous pression,
nylon bouchon et
rondelle, bague en
zamak, grain, ressort
et pivot en acier
inox.



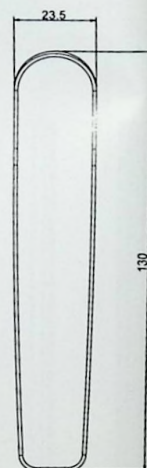
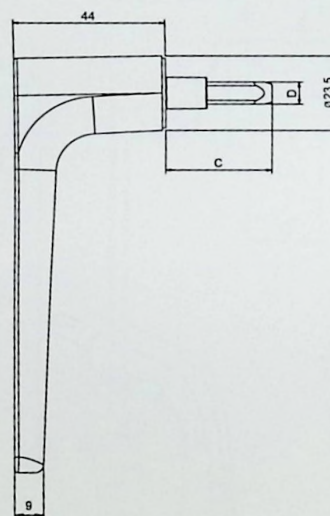
Mango en aluminio
de fundición, tapón
y arandela en nylon,
casquillo en zamak
prisionero, muelle
y perno en acero
inoxidable.



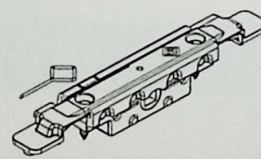
ART.	3091 3091.1 3091.2 3091.3 3091.4
Imballo Package Conditionnement Embalaje	5 PZ
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1 2 3 4



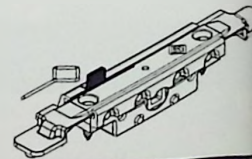
Art. 3091 | 3091.X



	DESCRIZIONE DESCRIPTION	ART.	C	D
!	Martellina minimal design Minimal design handle	3091	15-33,5mm	7
!	Martellina minimal design Minimal design handle	3091.1	25-43,5mm	7
!	Martellina minimal design Minimal design handle	3091.2	30-48,5mm	7
!	Martellina minimal design Minimal design handle	3091.3	40-58,5mm	7
!	Martellina minimal design Minimal design handle	3091.4	60-78,5mm	7



CE	ERRE40
3630.10	3631.10



CE	ERRE40
3630	3631

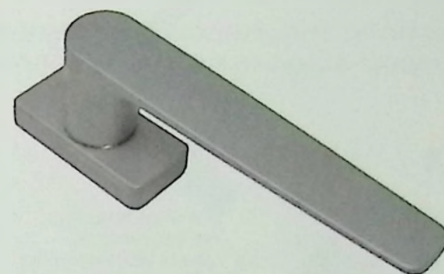


Utilizzabile solo in abbinamento alla movimentazione
Art. 3630 | 3630.10 - Art. 3631 | 3631.10
Only usable with one way movement
Art. 3630 | 3630.10 - Art. 3631 | 3631.10

KARMA

MARTELLINA

Martellina | Handle | Martelet | Maneta



Manico in alluminio
pressofuso: cassa,
cubrecassa, rotore
in zamak, viti e
perno in acciaio.



Die-cast aluminium
handle, body, body
cover and rotor in
zamak, screws and
pin in steel.

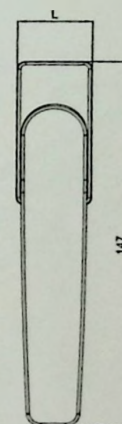
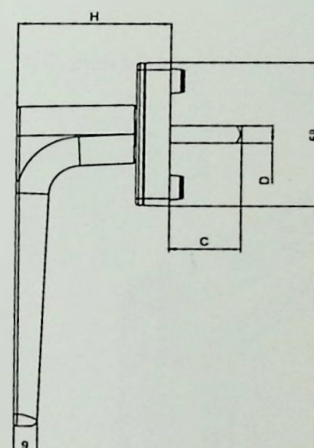
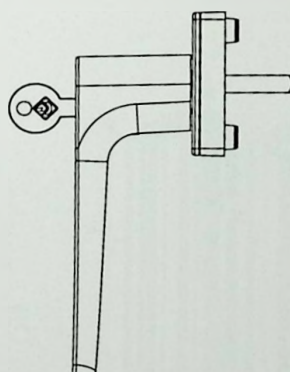
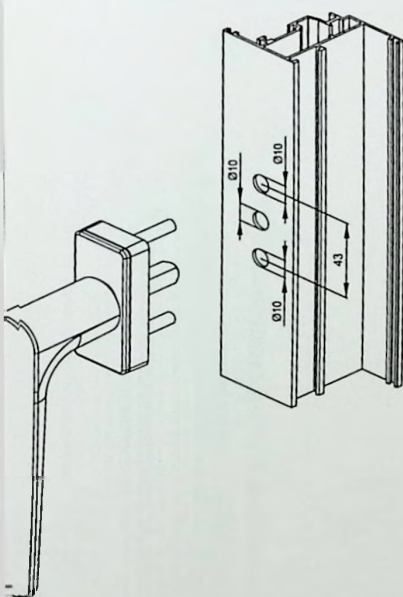


Poignée en
aluminium coulé ;
caisse, couvre-caisse
et rotor en zamak ;
pivot et vis en acier.

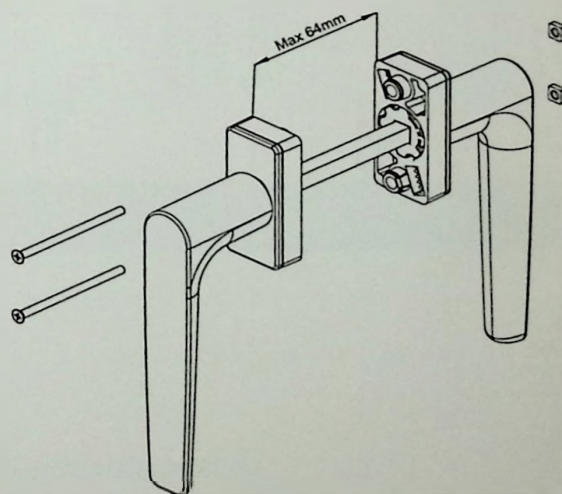


Mango de aluminio
moldeado a presión;
caja, cubrecaja y
rotor de zamak;
tornillos y perno de
acero.

ART.	3100 3100.1				3101 3101.1 3101.25				3100.10			
Contenuto Package Conditionnement Embalaje	20 Pz				5 Pz				1 Cp			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4	1	2	3	4



DESCRIZIONE DESCRIPTION	ART.	L	H	C	D
KARMA - Martellina KARMA - Handle	3100	27	56	26mm	7
KARMA - Martellina KARMA - Handle	3100.1	27	56	46mm	7
KARMA - Doppia Martellina KARMA - Double Handle	3100.10	27	56	Max 64	7
KARMA - Martellina con cilindro KARMA - Handle with key	3101	27	56	26mm	7
KARMA - Martellina con cilindro KARMA - Handle with key	3101.1	27	56	46mm	7
KARMA - Martellina per anta ribalta manovra logica, apertura DX e SX KARMA - Handle for tilt before turn, right and left opening	3101.25	27	56	26mm	7





WEEN HIDE

SUPPORTO ANTA



Supporto anta autodimante | Self-positioning -sash support |
Support auto positionnant | Soporte con auto colocación



Asta in acciaio,
supporto in zama.
Portata massima:
150(ween hide 110)
- 170 kg (ween hide
180)



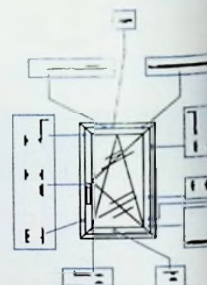
Stainless steel rod,
zamac support.
Load : 150(ween hide
110) - 170 kg (ween
hide 180)



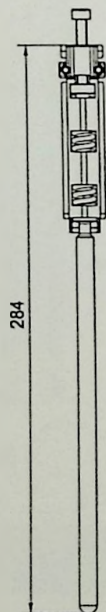
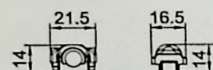
Tringle en acier,
support en zamac.
Portée: 150(ween
hide 110) - 170 kg
(ween hide 180)



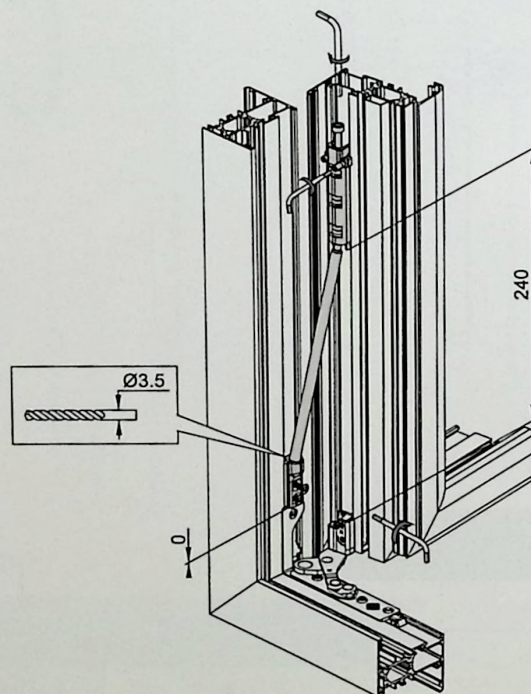
Pletina en acero,
soporte en zamac.
Soporta hasta :
150(ween hide 110)
- 170 kg (ween hide
180)



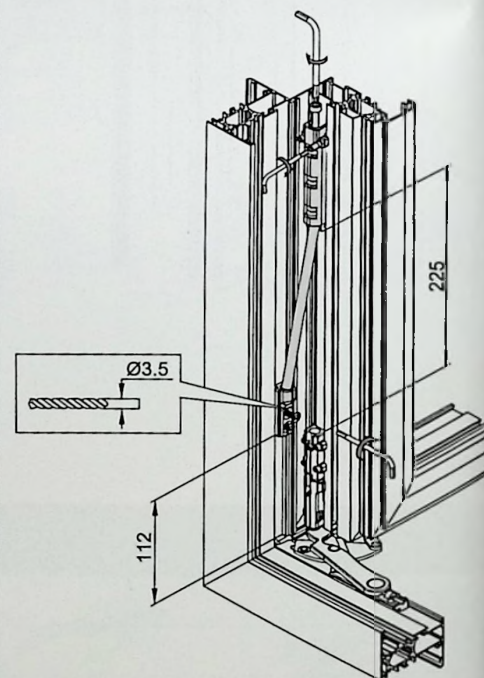
ART.	3310.50			
Imballo Package Conditionnement Embalaje	5 Pz			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4



HIDE 110



HIDE 180



ABBINABILE A: 3312S/D | 3301S/D | 3302S/D

Art.	Nodo Section
3310.50	A01 - A02 - A04 - A06 - A07



BETWEEN CHIUSURE SUPPLEMENTARI

Kit chiusure verticali e orizzontali | Kit locking points
Kit points de fermeture | Kit puntos de cierre



Contropunti e punti di
chiusura in zamak, viti
e grani in acciaio inox.



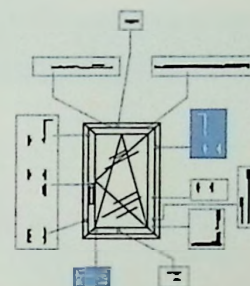
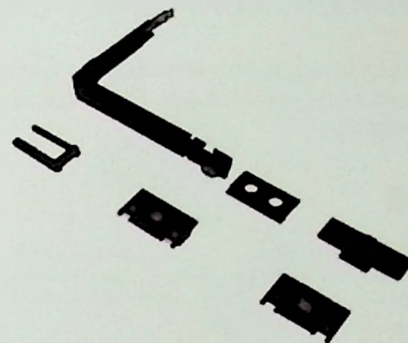
Counterplates and
locking points in
zamak, screw and
setscrews in stainless
steel.



Gâches et points de
fermeture en zamak
vis et grains en acier
inox.

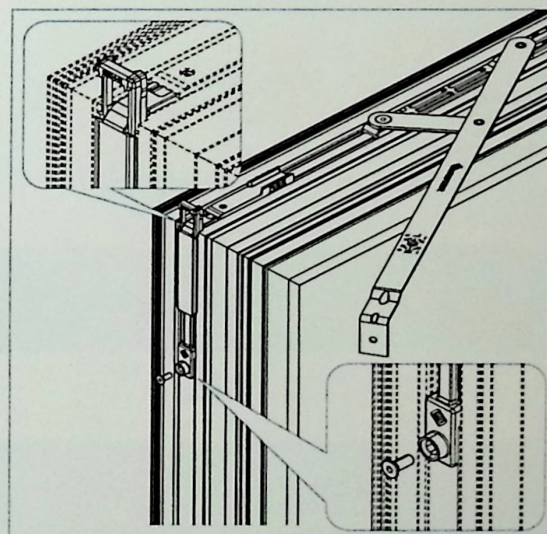
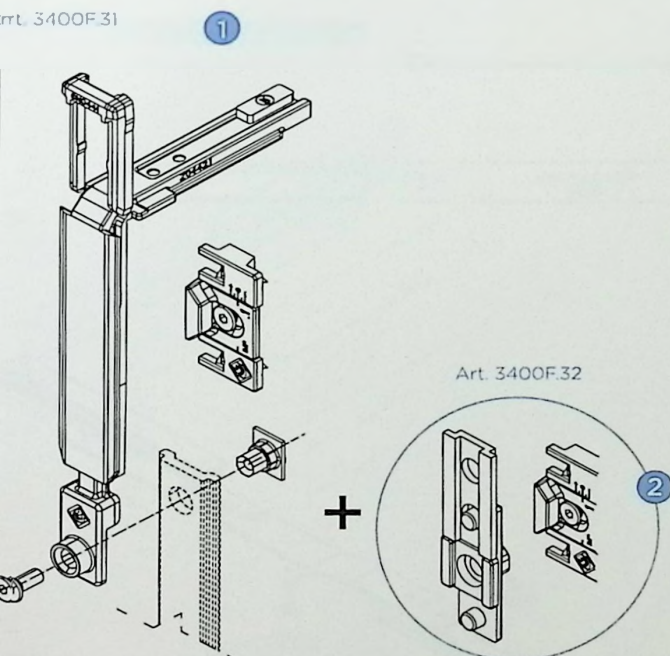


Cerraderos y puntos
de cierre de zamac,
tornillos y prisioneros
de acero inox.



ART.	3400F.31 3420F.31				3400F.32			
Condizionamento Conditionnement Embalaje	5 Kit				50 Kit			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4

Art. 3400F.31



	DESCRIZIONE DESCRIPTION	ART.	NODO SECTION
①	H anta > 1400mm H sash > 1400mm	3400F.31	A01 - A02 - A03 - A04 - A05 - A06 - A07
① + ②	H anta > 2200mm L anta > 1200mm H sash > 2200mm L sash > 1200mm	3420F.31	
②	H anta > 1400mm H sash > 1400mm	3400F.32	



WEEN

BRACCIO SUPPLEMENTARE PER ANTA RIBALTA



Braccio supplementare per anta ribalta | Tilt and turn additional arm
Bras supplémentaire oscillo-battant | Compás suplementario oscilobatiente



Leve, viti e grani in acciaio inox, corpo in zama.



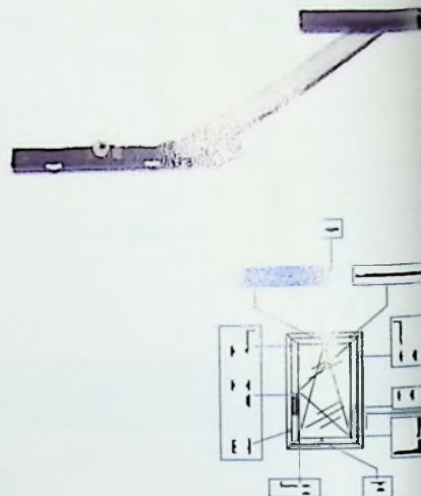
Levers, screw and setscrews in stainless steel, zamak body.



Leviers, vis et grains en acier inox, corps en zamak.



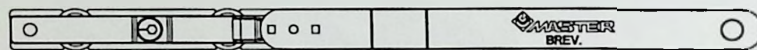
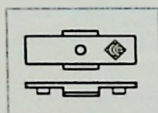
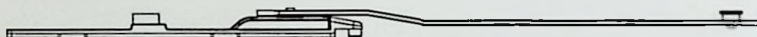
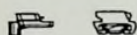
Levas, tornillos y prisioneros de acero inox, cuerpo de zamac.



ART.	3520.30				3550L.30			
Imballo Package Conditionnement Embalaje	5 Pz				5 Pz			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4

LARGHEZZA L > 1200

WEIGHT L > 1200



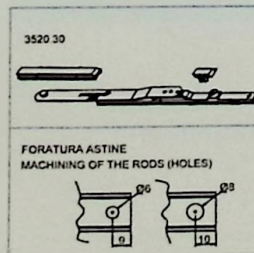
In aggiunta nella versione LOGICA
Additional in LOGIC version



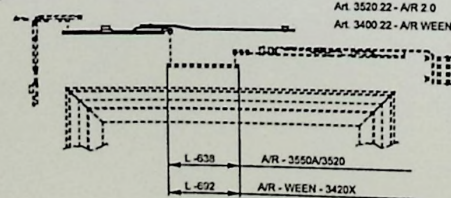
ANTA RIBALTA TILT AND TURN			
	DESCRIZIONE DESCRIPTION	ART.	NODO SECTION
WEEN	L anta da 1200mm a 1700mm L sash from 1200mm to 1700mm	3520.30	A01 - A02 - A05 - A06
		3400G.30	A03 - A04 - A07

LOGICA TILT BEFORETURN			
	DESCRIZIONE DESCRIPTION	ART.	NODO SECTION
WEEN	L anta da 1200mm a 1700mm L sash from 1200mm to 1700mm	3550L.30	A01 - A02 - A05 - A06
		3400LG.30	A03 - A04 - A07

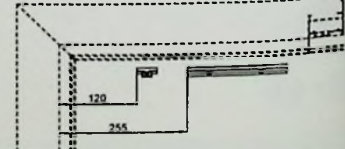
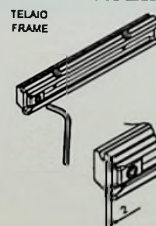
REGOLAZIONI | ADJUSTMENT



ANTA
SASH



TELAIO
FRAME



CLARCK

SERRATURA AMBIDESTRA

Serratura ambidestra | Ambidextrous lock
Serrure ambidextre | Cerradura ambidiestra



Coppo in zamak
vermezzato; cerniere
e viti autofilanti in
acciaio inox; pignoni
in nylon; viti in acciaio
zincato.



Painted zamak
body; stainless
steel junction and
self-threading
screws; nylon sliders;
galvanized steel
screws.

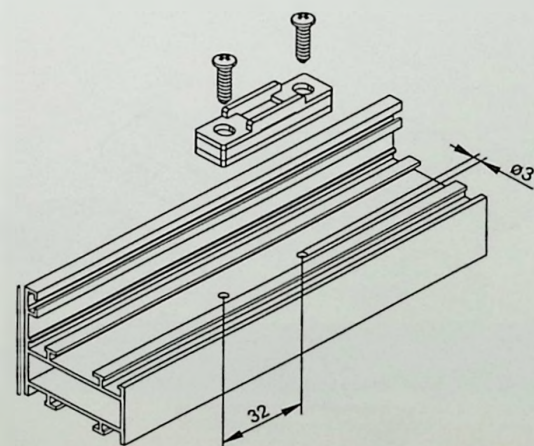
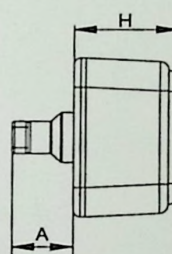
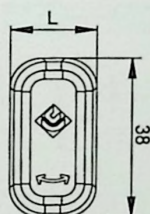
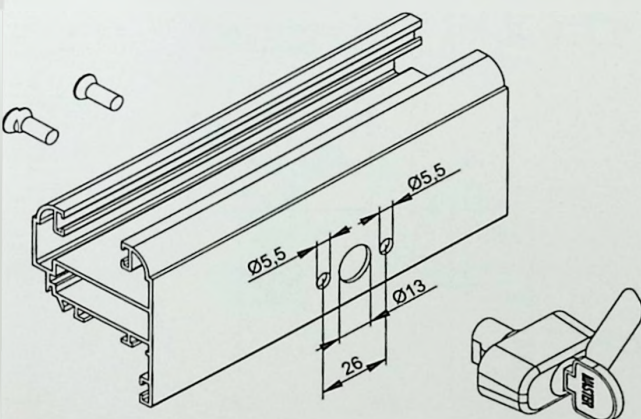


Painted zamak
body; stainless
steel junction and
self-threading
screws; nylon sliders;
galvanized steel
screws.



Cuerpo de
zamac laqueado;
cerradero y tornillos
autroscantes de
acero inox; espesores
de nylon; tornillos de
acero galvanizado.

ART.	3021 3022 3023 302310 3024 302410					3025 302510		
Imballo Packaging Conditionnement Embalaje	10 Pz					10 Pz		
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	5	2	3	4



DESCRIZIONE DESCRIPTION	CILINDRO KEY	ART.	L	H	A
Serratura Lock		3021 3022	19	20	17
Serratura con chiave a quadro Lock with square key		3023 3024	20.5	20	15
Serratura con chiave a triangolo Lock with triangle key		302310 302410	20.5	20	15
Chiave a quadro Square key		3025	-	-	-
Chiave a triangolo Triangle key		302510	-	-	-





WEEN

CHIUSURA ORIZZONTALE INFERIORE



Chiusura orizzontale | Extra locking point | Point de fermeture supplémentaire | Punto de cierre extra



Riscontri e punti di chiusura in zama, viti e grani in acciaio inox, sostegno in nylon, rullino in ottone.



Counterplates and locking points in zamak, screw and setscrews in stainless steel, nylon support and brass roll.



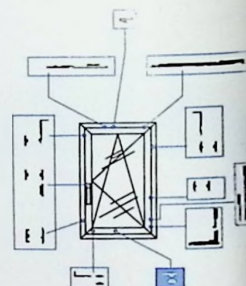
Gâches et points de fermeture en zamak, vis et grains en acier inox, support en nylon et rouleau en laiton.



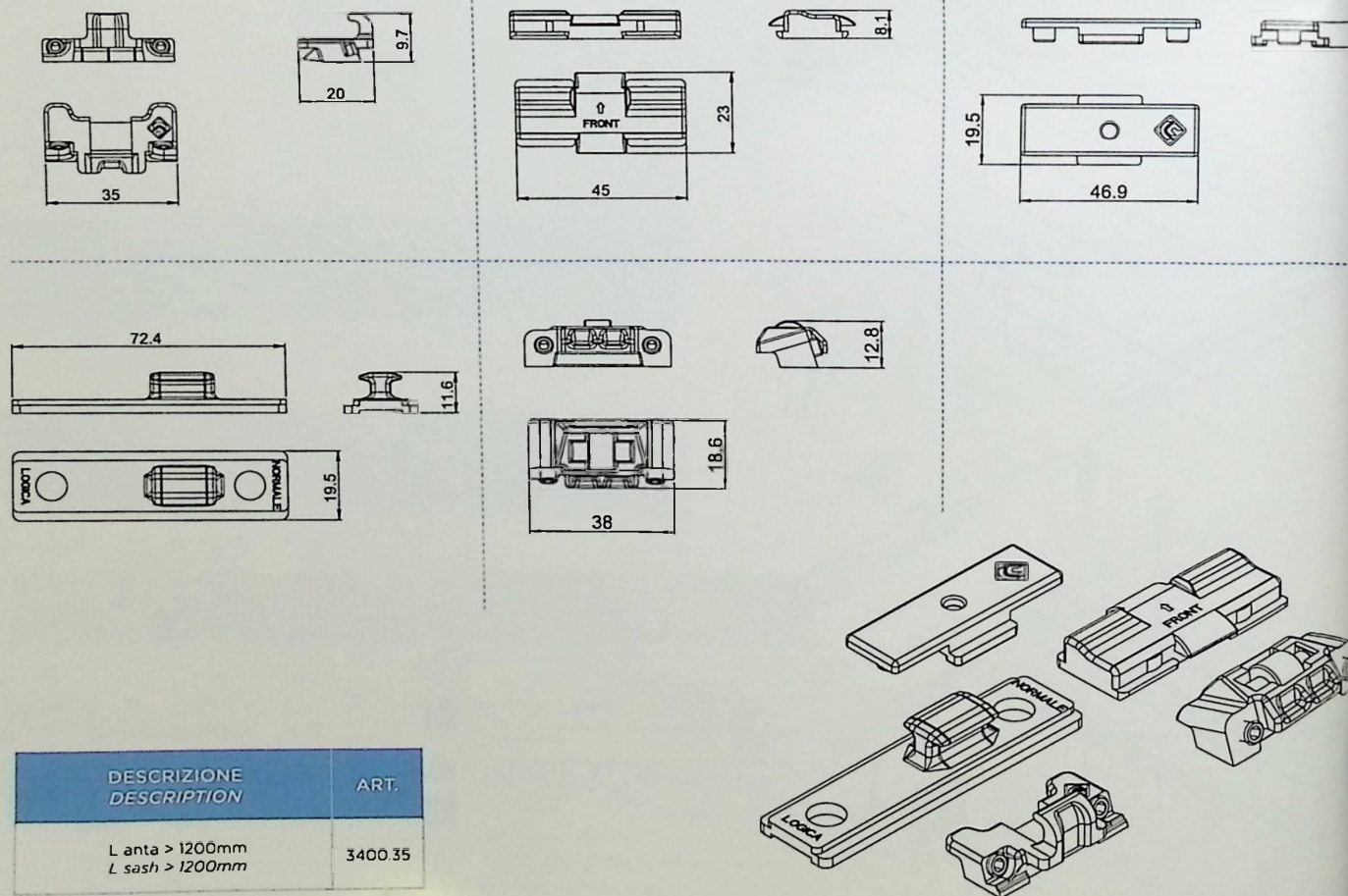
Cerraderos y puntos de cierre de zamac, tornillos y prisioneros de acero inox, soporte en nylon y rollo en latón.



ART.	3400.35
Imballo Package Conditionnement Embalaje	10 Kit
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1 2 3 4



Art. 3400.35



DESCRIZIONE DESCRIPTION	ART.
L anta > 1200mm L sash > 1200mm	3400.35

WEEN

MICROVENTILAZIONE



Microventilazione | Microventilation | Dispositif de micro-ventilation |
Dispositivo de microventilación



FRisconti in zamak, viti
e grani in acciaio inox.



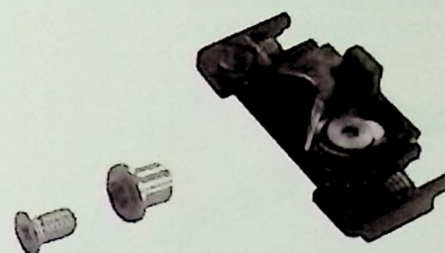
Counterplates in
zamak, screw and
setscrews in stainless
steel.



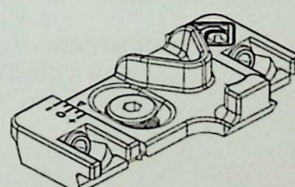
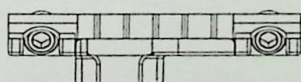
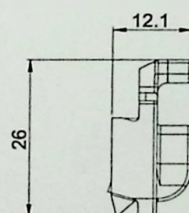
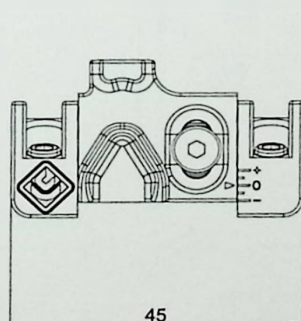
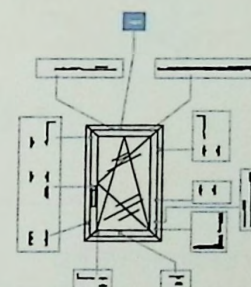
Gâches en zamak
vis et grains en acier
inox.



Cerraderos de zamak,
tornillos y prisioneros
de acero inox.



ART.	3400.39			
I Imballo Package Conditionnement Embalaje	50 Pz			
I Finiture disponibili Available finishes I Finitions disponibles Acabados disponibles	1	2	3	4



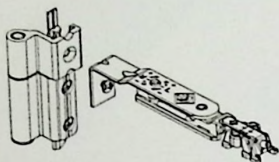
DESCRIZIONE DESCRIPTION	ART.	NODO SECTION
Microventilazione regolabile per kit anta ribalta Adjustable microventilation for tilt and turn kit	3400.39	A01 - A02 - A03 - A04 - A06 - A07



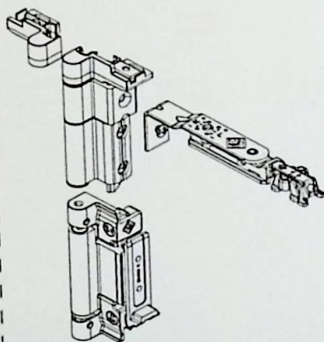
ANTA BATTENTE | INACTIVE SASH

WEEN 100/160 kg

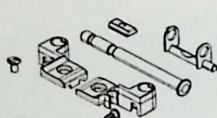
WEEN KIT CERNIERE 100 Kg
WEEN HINGES 100 Kg



WEEN KIT CERNIERE 160 Kg
WEEN HINGES Kg

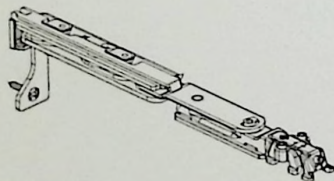


WEEN KIT
CONVERSIONE 160
WEEN CONVERSION
KIT

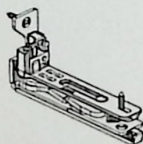


WEEN HIDE 110

CERNIERA SUPERIORE
UPPER CONCEALED HINGE

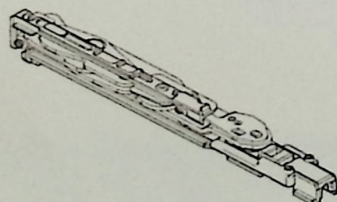


CERNIERA INFERIORE
LOWER CONCEALED HINGE



WEEN HIDE 180

CERNIERA SUPERIORE
UPPER CONCEALED HINGE



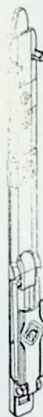
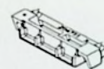
CERNIERA INFERIORE
LOWER CONCEALED HINGE



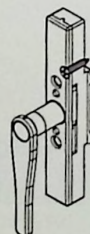
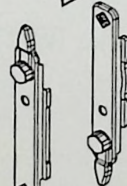
CATENACCI

CATENACCIO
A LEVA
BIDIREZIONALE
PER ANTA
AFFIANCATA
TWO-WAY
LATCH FOR
INACTIVE SASH

CATENACCIO
A LEVA
AD APPOGGIO
LEVER BOLT

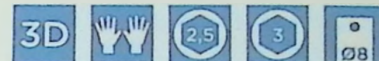


CATENACCIO BIDIREZIONALE
CAVA SINGOLA | TWO-WAY LATCH
FOR INACTIVE SASH



WEEN

IKIT CERNIERE ANTA AFFIANCATA 100KG



IKit Cerniere e braccio Ween per anta affiancata | Passive sash Ween
Hinge and arm | Charnières et bras pour dormant | Bisagras y compás
para hoja pasiva



Cerniere in estruso e
zama, controplastre e
viti; braccio con leva,
viti e prigionieri in acciaio
inox, corpo in zama.



Extruded aluminum
and zamak hinges,
counterplates and
screws; arm lever,
screws and setscrews
in stainless steel,
zamak body.



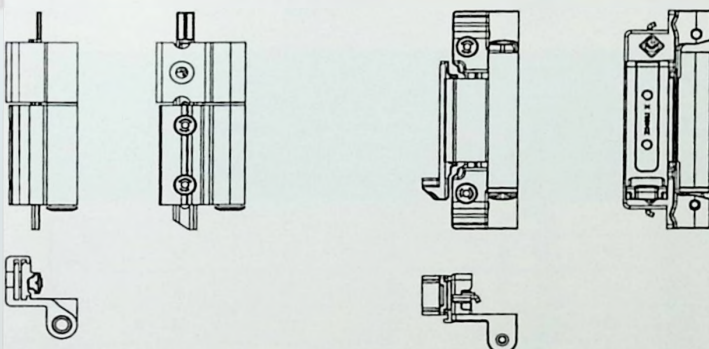
Charnières en
aluminium extrudé
et zamak, gâches et
vis; bras levier, vis et
grains en acier inox,
corps en zamak.



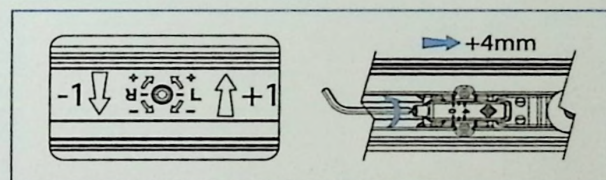
Bisagras de aluminio
extruido y zamac,
cerraderos y tornillos;
Compás con leva
tornillos y prisioneros
de acero inox, cuerpo
de zamac.



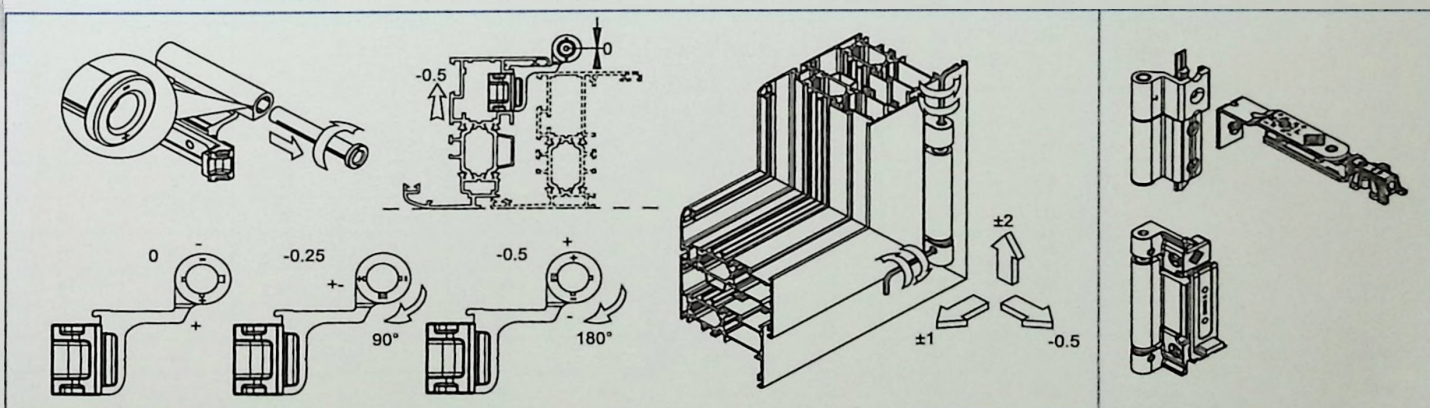
ART.	3400.23
Imballaggio Packaging Conditionnement Embalaje	5 Pz
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1 2 3 4



REGOLAZIONI | ADJUSTEMENT



REGOLAZIONI | ADJUSTEMENT



ART.	NODO SECTION
3400.23	A01 - A02 - A03 - A04 - A05 - A06 - A07

Kit di conversione 100kg >>>160kg
Conversion kit 100kg >>>160kg

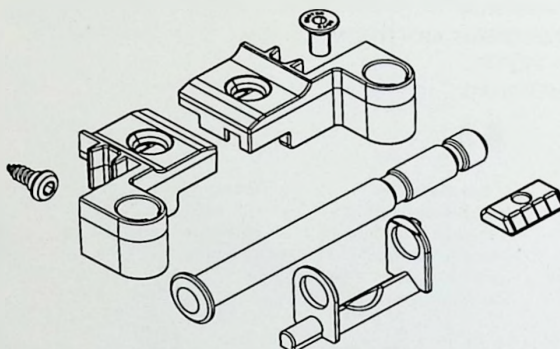


TABELLA DI CARICO | LOAD CHART

PESO MASSIMO DELL'ANTA (alluminio + vetro = 110 Kg) MAXIMUM WEIGHT OF THE SASH (aluminium + glass = 110 Kg)													
Spessore max. del vetro indicato (es. 30 mm) Maximum thickness of the glass (es. 30 mm)							N.D. = Dimensione Non Disponibile N.D. = Dimension Not Available						
Nota: Lo spessore massimo del vetro impiegabile si riferisce al materiale senza la camera d'aria Note: The maximum thickness of the glass is considered without the air-space													
2700	40	37	30	25	21	19	16	15	13	12	11	11	
2600	42	38	31	26	22	19	17	15	14	13	12	11	
2500	43	40	32	27	23	20	18	16	15	13	12	11	
2400	45	42	33	28	24	21	19	17	15	14	13	12	
2300	47	43	35	29	25	22	19	17	16	14	13	12	
2200	49	45	36	39	26	23	29	18	17	15	14	13	
2100	50	48	38	32	27	24	21	19	17	16	15	14	
2000	50	50	40	33	29	25	22	29	18	17	15	14	
1900	50	50	42	35	30	26	23	21	19	18	16	15	
1800	50	50	44	37	32	28	25	22	20	19	17	16	
1700	50	50	47	39	34	29	26	24	21	29	18	15	
1600	50	50	50	42	36	31	28	25	23	21	17	16	
1500	50	50	50	44	38	33	30	27	24	22	18	17	
1400	50	50	50	48	41	36	32	29	26	21	20	18	
1300	50	50	50	50	44	38	34	31	25	23	21	16	
1200	50	50	50	50	48	42	37	30	27	25	19	14	
1100	50	50	50	50	50	45	36	33	30	23	17	16	
1000	50	50	50	50	50	50	40	36	27	20	18	11	
900	50	50	50	50	50	50	44	27	24	15	7	x	
800	50	50	50	50	50	50	33	30	18	8	x	x	
700	50	50	50	50	50	43	38	11	x	x	x	x	
600	50	50	50	50	50	33	15	x	x	x	x	x	
500	50	50	50	50	46	x	x	x	x	x	x	x	
H	L	370	400	500	600	700	800	900	1000	1100	1200	1300	1400

WEEN

IKIT CERNIERE ANTA AFFIANCATA 160KG

IKit Cerniere e braccio Ween per anta affiancata | Passive sash Ween
Hinge and arm | Charnières et bras pour dormant | Bisagras y compás
para hoja pasiva



Cerniere in estruso e
zama, contropiatte e
viti; braccio con leva,
viti e grani in acciaio
inox, corpo in zama.



Extruded aluminum
and zamak hinges,
counterplates and
screws; arm lever,
screws and setscrews
in stainless steel,
zamak body.



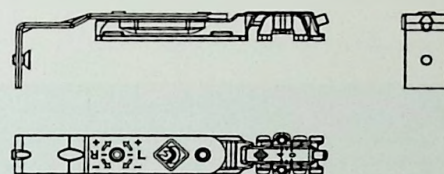
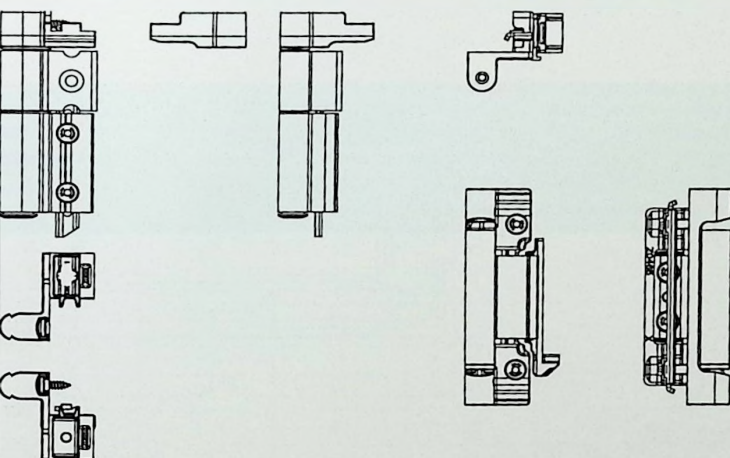
Charnières en
aluminium extrudé
et zamak, gâches et
vis; bras levier, vis et
grains en acier inox,
corps en zamak.



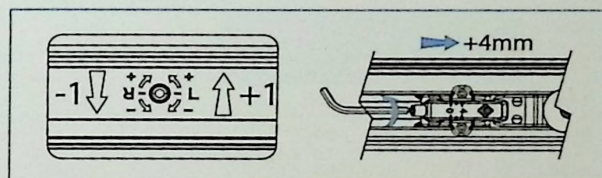
Bisagras de aluminio
extruido y zamac,
cerraderos y tornillos;
Compás con leva
tornillos y prisioneros
de acero inox, cuerpo
de zamac.



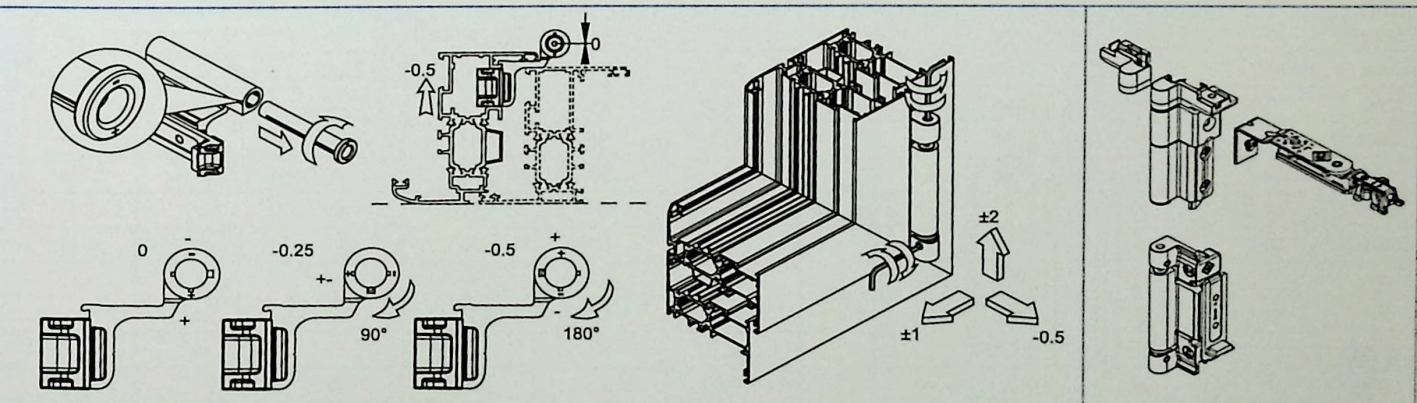
ART.	3420.23
Imballo - Package - Conditionnement - Embalaje	5 Pz
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1 2 3 4



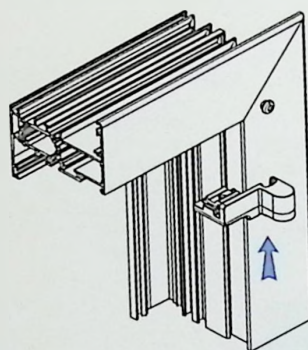
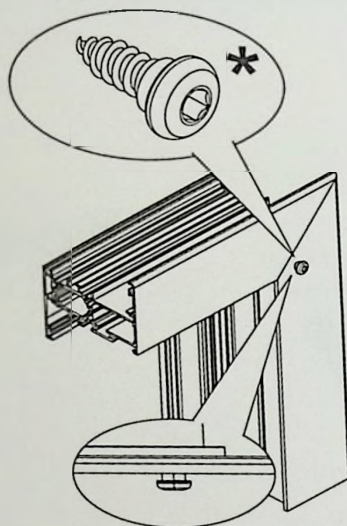
REGOLAZIONI | ADJUSTEMENT



REGOLAZIONI | ADJUSTEMENT



ART.	NODO SECTION
3420.23	A01 - A02 - A03 - A04 - A05 - A06 - A07



Portate > 100 kg e < 160 kg vite obbligate
Compulsory for sash weight > 100kg < 160 kg

TABELLA DI CARICO | LOAD CHART

PESO MASSIMO DELL'ANTA (alluminio + vetro = 160 Kg) MAXIMUM WEIGHT OF THE SASH (aluminium + glass =160 Kg)										
Spessore max. del vetro indicato (es. 30 mm) Maximum thickness of the glass (es. 30 mm)						N.D. = Dimensione Non Disponibile N.D. = Dimension Not Available				
Nota: Lo spessore massimo del vetro impiegabile si riferisce al materiale senza la camera d'aria Note: The maximum thickness of the glass is considered without the air-space										
2700	50	50	47	40	34	30	26	24	22	20
2600	50	50	49	41	35	31	27	25	22	21
2500	50	50	50	43	37	32	28	26	23	21
2400	50	50	50	44	38	33	30	27	24	22
2300	50	50	50	46	40	35	31	28	25	23
2200	50	50	50	48	42	36	32	29	26	24
2100	50	50	50	50	44	38	34	30	28	25
2000	50	50	50	50	46	40	36	32	29	27
1900	50	50	50	50	48	42	37	34	31	28
1800	50	50	50	50	50	44	40	36	32	30
1700	50	50	50	50	50	47	42	38	34	31
1600	50	50	50	50	50	50	44	40	36	33
1500	50	50	50	50	50	50	47	43	39	36
1400	50	50	50	50	50	50	50	46	42	34
1300	50	50	50	50	50	50	50	49	40	37
1200	50	50	50	50	50	50	50	48	44	40
1100	50	50	50	50	50	50	50	50	48	36
1000	50	50	50	50	50	50	50	50	44	32
900	50	50	50	50	50	50	50	43	39	24
800	50	50	50	50	50	50	50	48	29	13
700	50	50	50	50	50	50	50	18	x	x
600	50	50	50	50	50	50	24	x	x	x
500	50	50	50	50	50	x	x	x	x	x
H L	370	400	500	600	700	800	900	1000	1100	1200

WEEN HIDE 110

CERNIERA INFERIORE



Cerniera a scomparsa inferiore regolabile per A/R |
Adjustable Lower Concealed Hinge for T&T |
Paumelle invisible inférieure réglable por O/B | Bisagra Oculta inferior para O/B



Leve in acciaio,
corpo di regolazione
in zamak. Portata
massima:
120 Kg - 150 Kg
in abbinamento con
3310.50



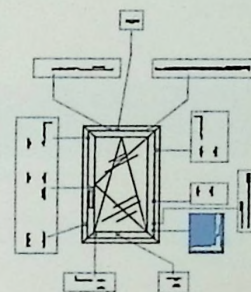
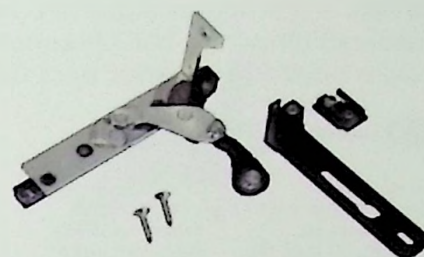
Levers in stainless
steel, fixing -set
zamak body. Portée:
Maximum load :
120kgs- 150Kgs
combined with
3310.50



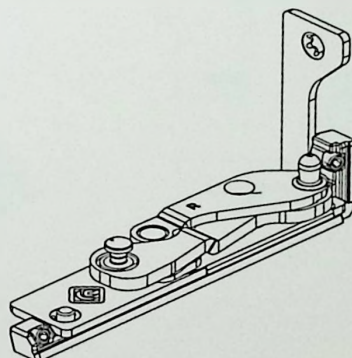
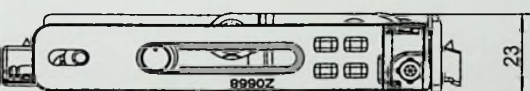
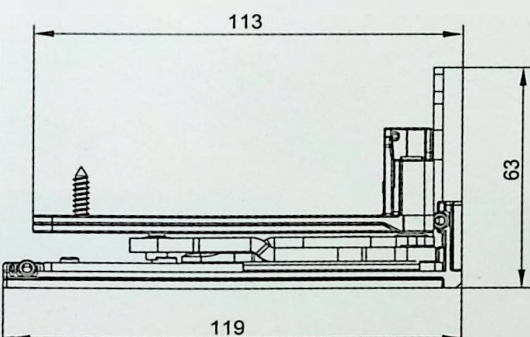
Leviers en acier,
corps de réglage
en zamak. Portée:
120 kgs- 150 kgs, à
assortir avec 3310.50



Levas de acero,
cuerpo de regulación
de zamac. Soporta
hasta: 120 kgs- 150
kgs, se combina con
3310.50

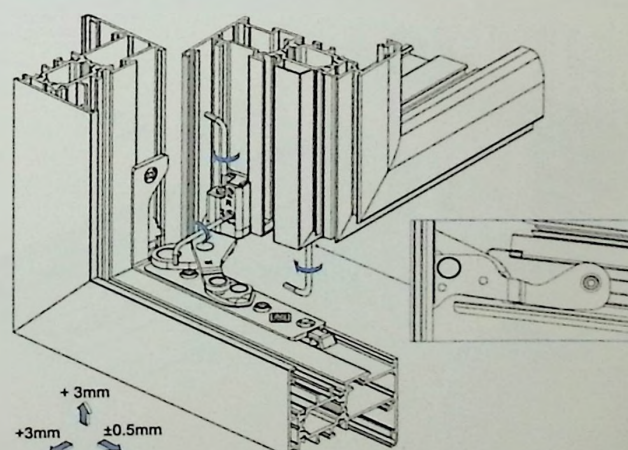


ART.	3312S/D
Imballo Packaging Conditionnement Embalaje	5 Pz
Finiture disponibili available finishes Finitions disponibles Acabados disponibles	1 2 3 4



ART.	NODO SECTION
3312S/D	A01 - A02

REGOLAZIONI | ADJUSTEMENT





WEEN HIDE 110

CERNIERA SUPERIORE (BATTENTE)

Cerniera a scomparsa superiore regolabile per battente | Upper concealed hinge for T&T | Paumelle invisible superieur pour O/B | Bisagra ocultada superior para O/B



Leve in acciaio,
corpo di regolazione
in zama. Portata
massima: 120 Kg - 150
Kg in abbinamento a
3310.50



Levers in stainless
steel, fixing-set
zamak body.
Maximum load :
120kgs- 150Kgs
combined with
3310.50



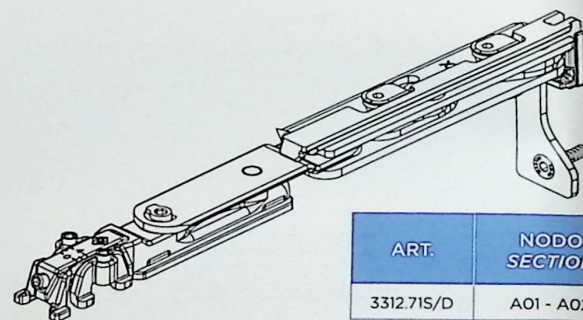
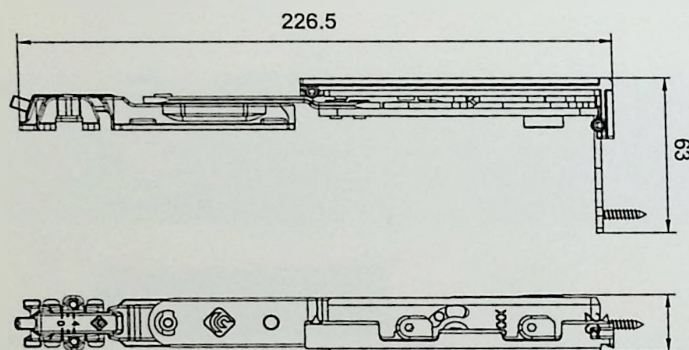
Leviers en acier,
corps de réglage
en zamak. Portée:
120 kgs- 150 kgs, à
assortir avec 3310.50.



Levas de acero,
cuerpo de regulación
de zamac.
Soporta hasta: 120
kgs- 150 kgs, se
combina con 3310.50.

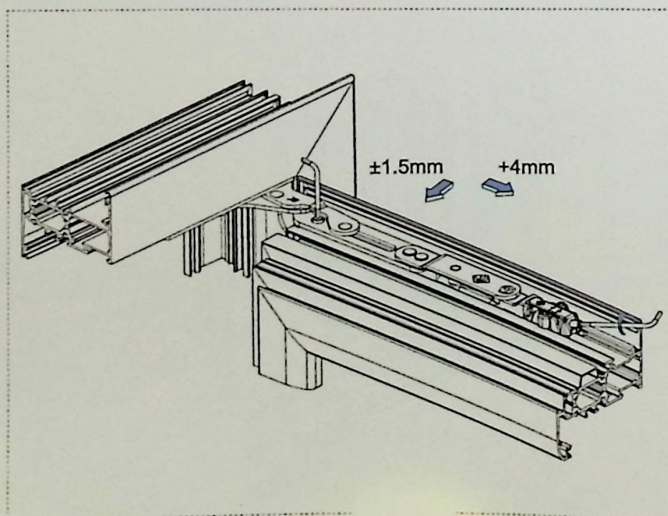


ART	3312.71S/D			
Imballo Package Conditionnement Embalaje	5 Pz			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4

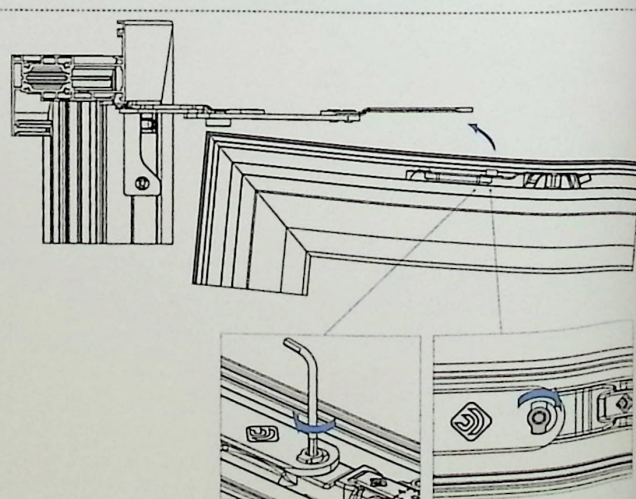


ART.	NODO SECTION
3312.71S/D	A01 - A02

REGOLAZIONI | ADJUSTEMENT



INDICAZIONI DI MONTAGGIO | MOUNTING PHASE





WEEN HIDE 180

CERNIERA INFERIORE



Cerniera a scomparsa inferiore regolabile per A/R |
Adjustable lower concealed hinge for T&T |
Paumelle invisible inférieure réglable por O/B | Bisagra Oculta inferior para O/B



Levee in acciaio,
supporto in latton,
corpo di regolazione
in ottone e zinco.
Portata massima:
130 Kg - 170 kgs,
in abbinamento a
3310.50



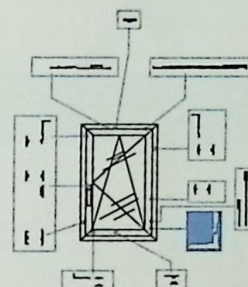
Levers in stainless
steel, brass support,
fixing -set zamak and
brass body. Maximum
load : 130kgs- 170Kgs
combined with
3310.50



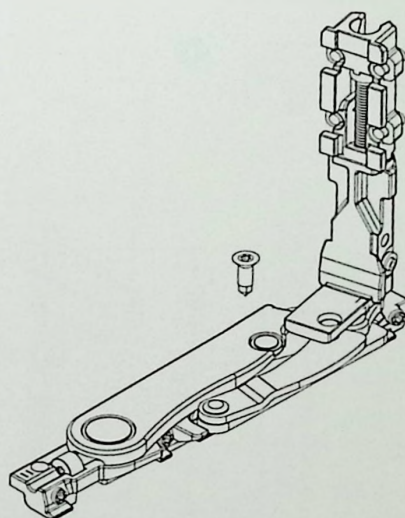
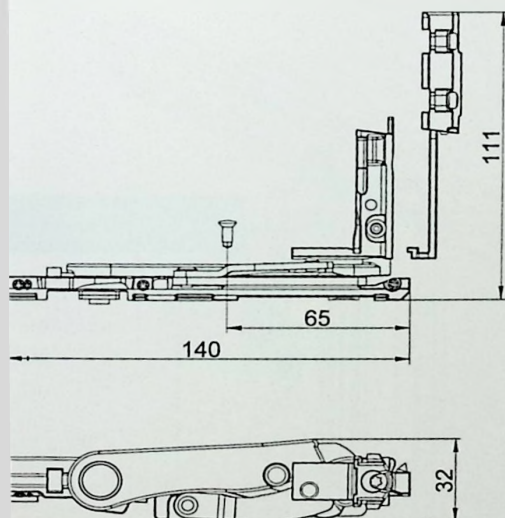
Leviers en
acier, support en
laiton, corps de
réglage en zamak
et laiton. Portée:
130 kgs- 170 kgs, à
assortir avec 3310.50



Levas de acero,
soporte en latón,
cuerpo de regulación
de zamak y latón.
Soporta hasta: 130
kgs- 170 kgs, se
combina con 3310.50

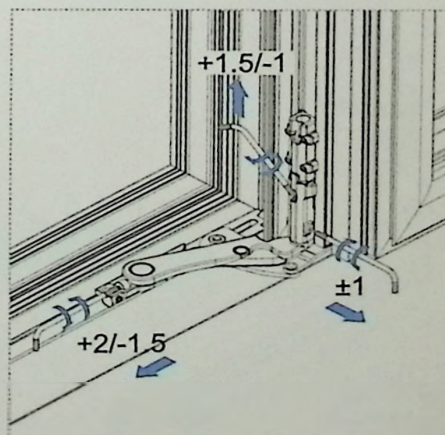


ART.	3301S/D				3302S/D			
Imballo Packaging Conditionnement Embalaje	5 Pz				5 Pz			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4



Art.	Nodo Section
3301D	A03
3301S	
3302D	A02 - A06
3302S	

REGOLAZIONI | ADJUSTMENT





WEEN HIDE 180

CERNIERA SUPERIORE (BATTENTE)



Cerniera a scomparsa superiore regolabile per battente | Upper concealed hinge for T&T | Paumelle invisible superieur pour O/B | Bisagra ocultada superior para O/B



Leve in acciaio,
supporto in ottone,
corpo di regolazione
in zama. Portata
massima: 130 Kg - 170
Kg in abbinamento a
3301.50



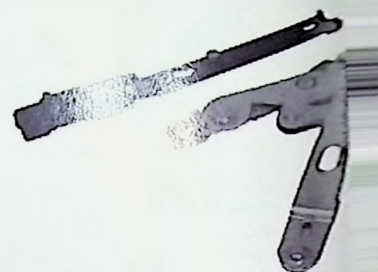
Levers in stainless
steel, brass support,
fixing-set zamak and
brass body. Maximum
load : 130kgs- 170Kgs
combined with
3301.50



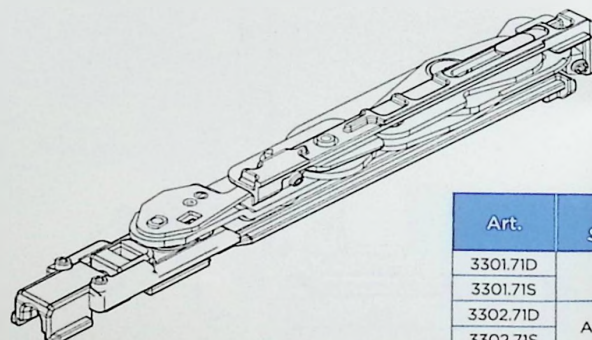
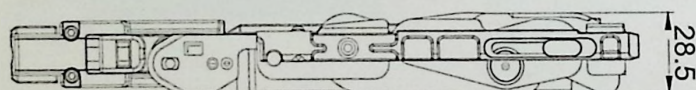
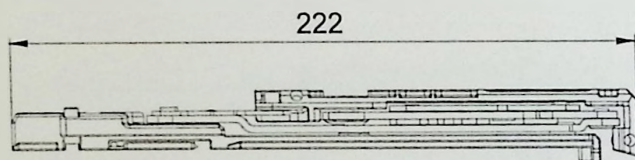
Leviers en
acier, support en
laiton, corps de
réglage en laiton
et zamak. Portée:
130 kgs- 170 kgs, à
assortir avec 3301.50.



Levas de acero,
soporte en latón,
cuerpo de regulación
de zamak y latón.
Soporta hasta: 130
kgs- 170 kgs, se
combina con 3301.50.

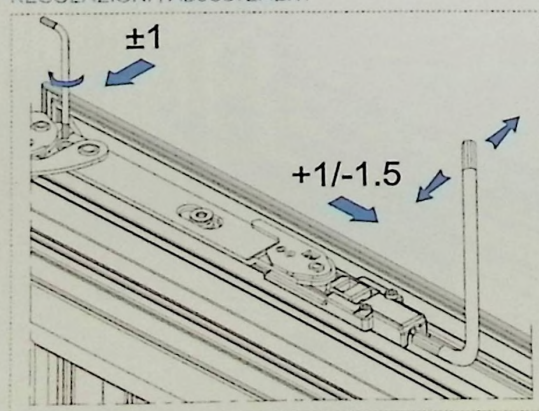


ART.	3301.71S/D				3302.71S/D			
Imballo Package Conditionnement Embalaje	5 Pz				5 Pz			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4

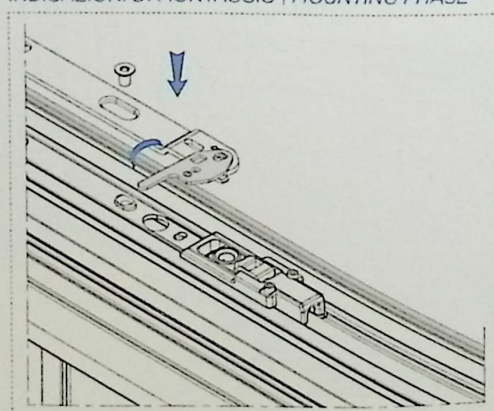


Art.	Nodo Section
3301.71D	A03
3301.71S	
3302.71D	A02 - A03
3302.71S	

REGOLAZIONI | ADJUSTEMENT



INDICAZIONI DI MONTAGGIO | MOUNTING PHASE



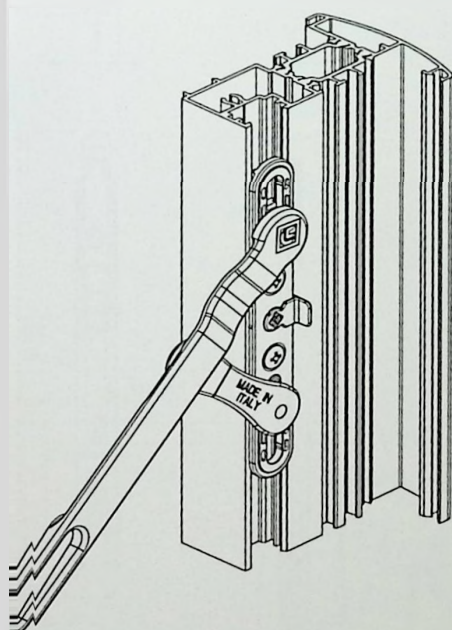
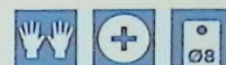
BI-HID

CATENACCIO A LEVA BIDIREZIONALE PER ANTA AFFIANCATA

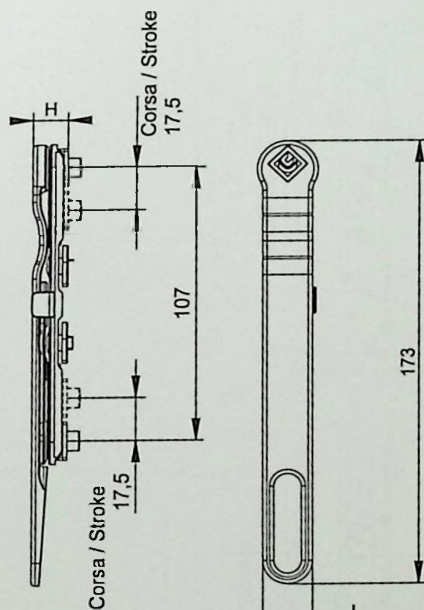
Catenaccio a leva bidirezionale per anta affiancata | Two-way latch for inactive sash
Bidirectionnel verrou pour dormant | Pasador bidireccional para hoja pasiva

Movimentazione puntali in zamak; compensatori in delrin; viti e acciaio inox.	Zamak movimentation and push rod; delrin compensators; cams and screws in stainless steel.	Mouvement et gâche terminale en zamak; compensateurs en delrin; cames et vis en acier inox.	Movimiento y puntal de zamac; compensadores en delrin; tornillos y placas en acero inoxidable.

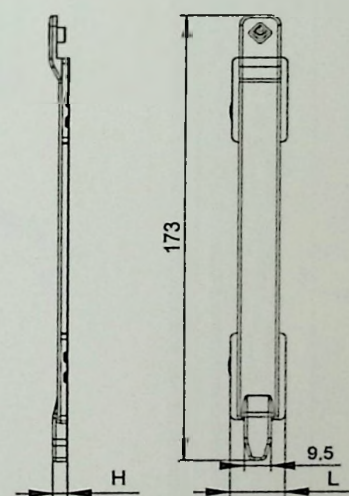
	4515.1				4515.10 4515.15			
Imballo Package Conditionnement Embalaje	10 PZ				20 PZ			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4



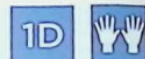
Art. 4515.10 ①



Art. 4515.15 ②



DESCRIZIONE DESCRIPTION	ART	H	L	NODI SECTION
Corpo di manovra Slider	4515.10	13	22	①
Terminale superiore ed inferiore Upper and lower rod end	4515.15	7	19.5	②
Corpo di manovra + terminale superiore ed inferiore Slider + upper and lower rod end	4515.1 (4515.10+4515.15)	-	-	① + ②



CATENACCIO A LEVA AD APPOGGIO

Catenaccio a leva | Lever bolt
Verrou a levier | Pasador de leva



Catenacci in zama:
viti TSP CR 3.5X25
autoforanti.



Zamak latches; TSP
CR 3.5X25 self-
drilling screws.



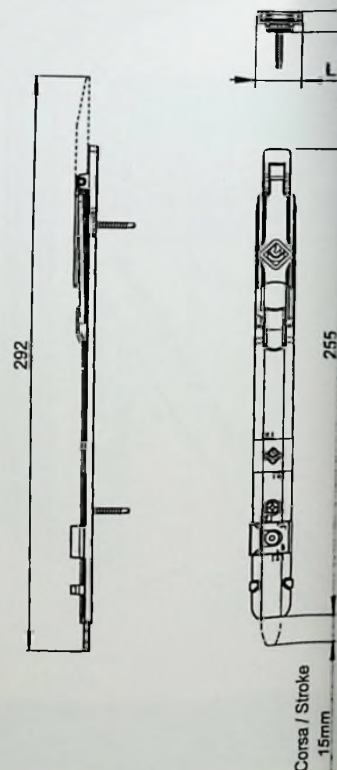
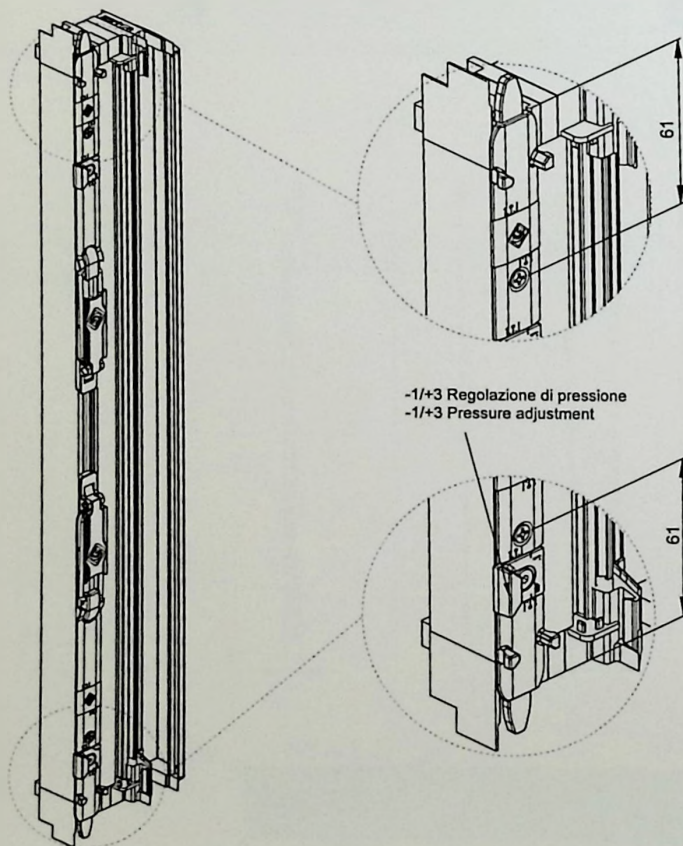
Verrous en zamak
vis TSP CR 3.5X25
autoforeuses.



Pasaderos de
zamac tornillos
TSP CR 3.5X25
auto perforantes.



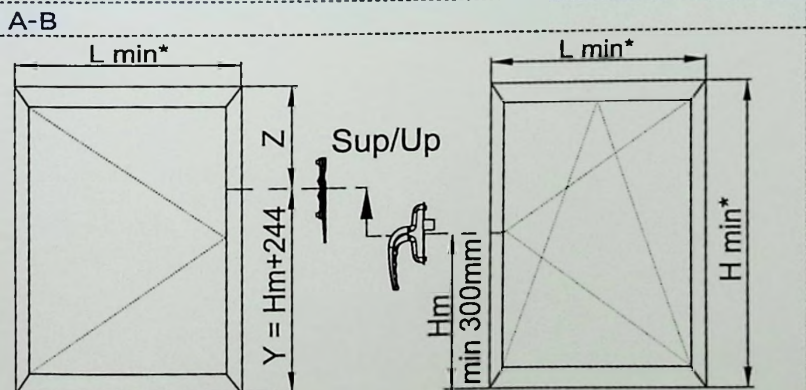
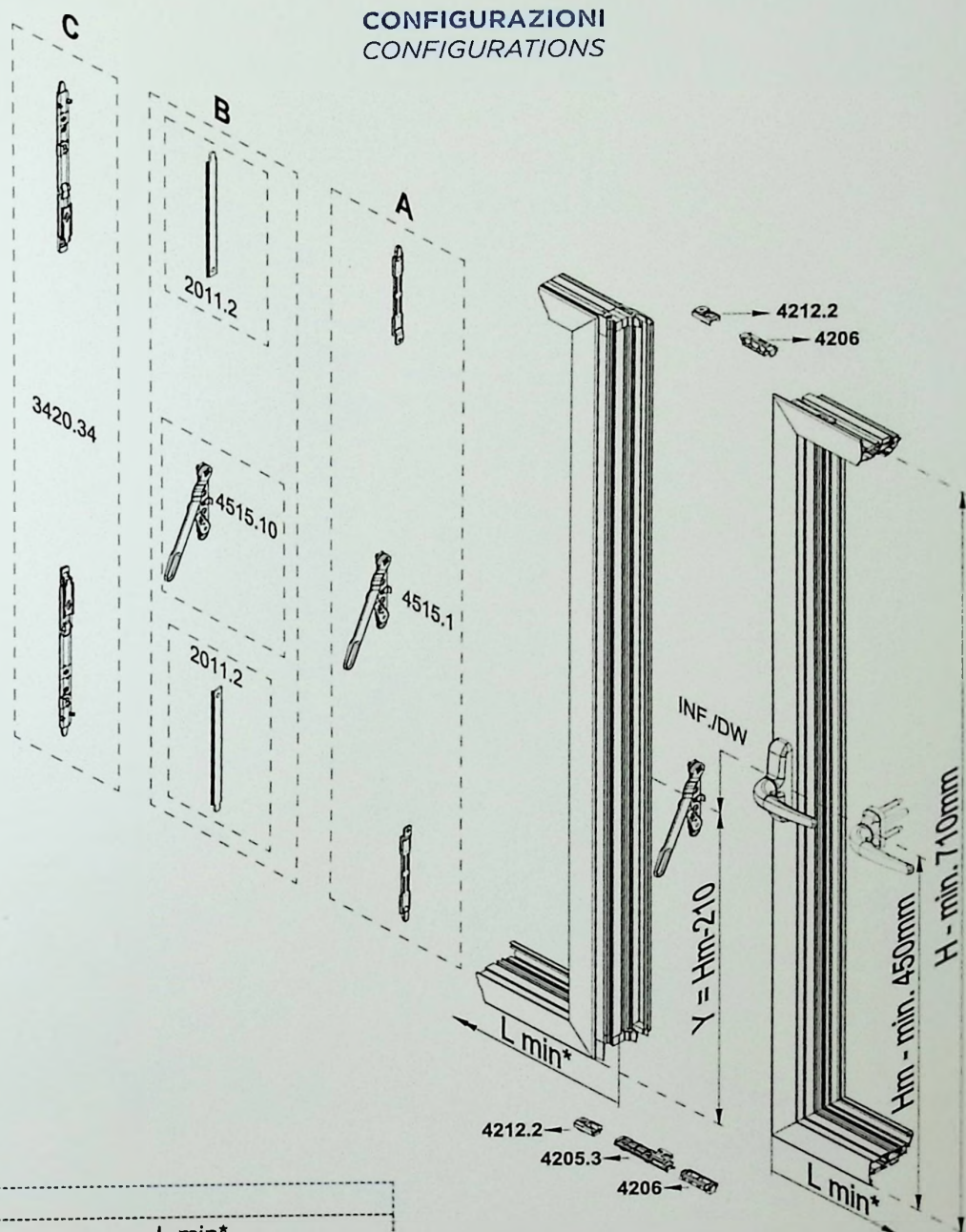
ART.	3420.34
Imballo Package Conditionnement Embalaje	5 Cp
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1 2 3 4



ART.	L	H
3420.34	20	11,5

⚠ Abbinabile a AR WEEN
Combinable with AR WEEN

CONFIGURAZIONI
CONFIGURATIONS



L min*

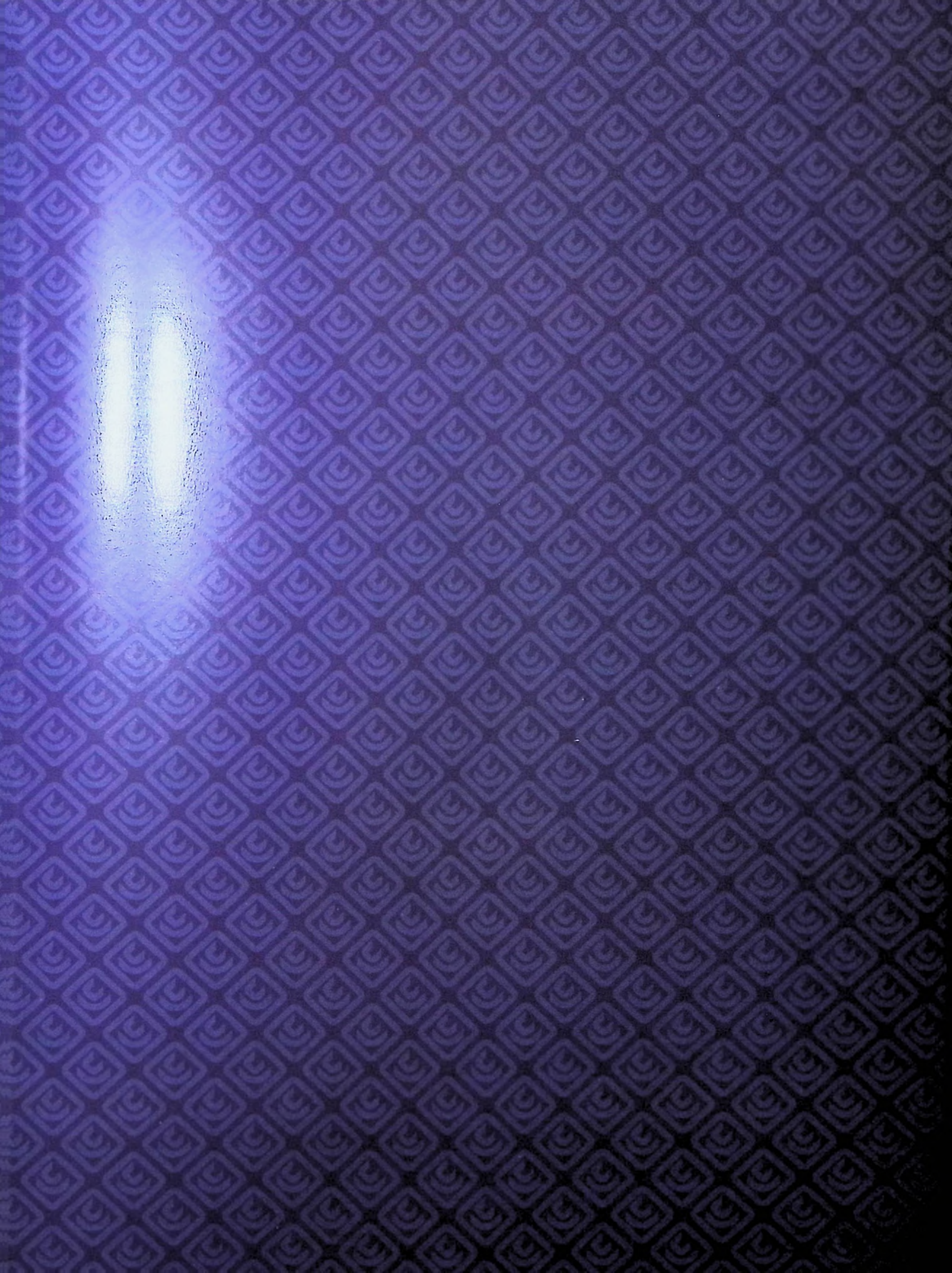
In funzione del profilo utilizzato la larghezza minima dell'anta (L) varia da 500 a 550 mm.
The minimum sash (L) width can vary from 500 to 550mm according to the used profiles.

H min*

3520/50.XX = 800mm
3530/60.XX = 1100mm

NOTE / NOTES

Lined area for writing notes.



SERRATURA MULTIPUNTO



Serratura multipunto da montante bidirezionale aste esterne |
Bidirectional multipoint locking for side upright with external rods |
Serrure multipoints pour montant bidirectionnel - tiges extérieures |
Bloqueo multipunto bidireccional con varillas externas para posición vertical



Materiali Vari.



Various materials.



Matériaux divers.

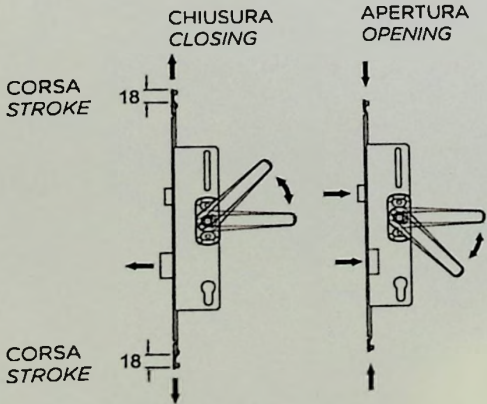
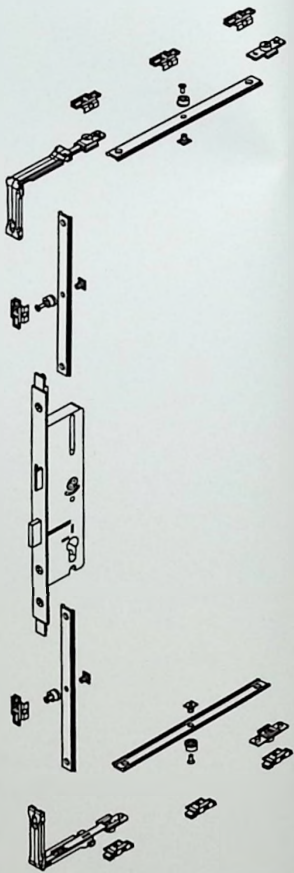
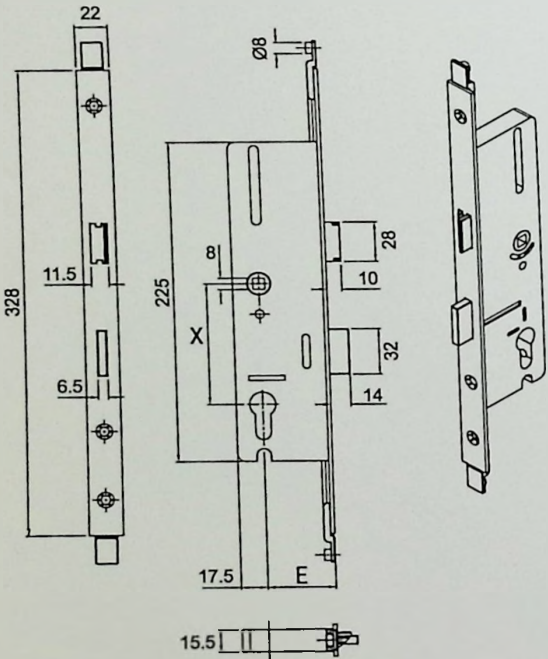
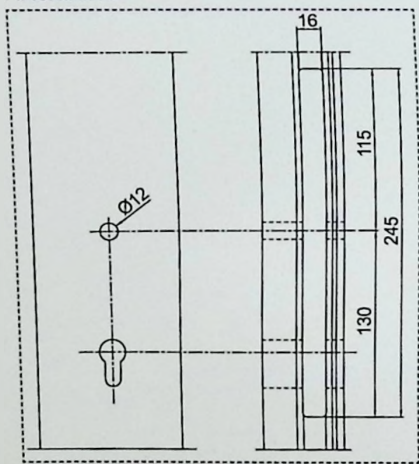


Varios materiales.



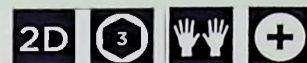
ART.	ALL
Imballo Package Conditionnement Embalaje	10 Pz
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1 2 3 4

LAVORAZIONI
MACHINING



ART.	ENTRATA BACKSET (E)	INTERASSE INTERAXIS (X)	FRONTALE FRONT	NODO SECTION	CONTROPIASTRA COUNTERPLATE
5300.35	35	85	22	A01 - A02 - A03 - A05 - A06 - A20 - A21 - A22	5303.1
5300.45	45	85	22		
5301.35	35	92	22		
5301.45	45	92	22		

CONTROPIASTRA REGOLABILE



Contropiastra regolabile | Adjustable counterplate |
Gâche réglable | Contraplaca regulable



Contropiastra, viti
e camme in acciaio
inox.



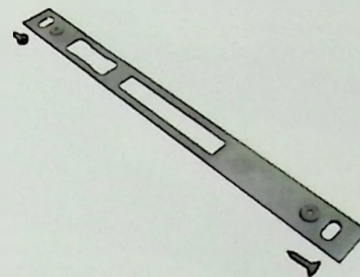
Counterplates, screw
and cams in stainless
steel



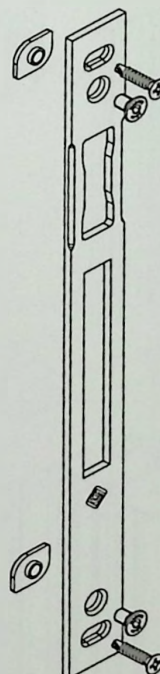
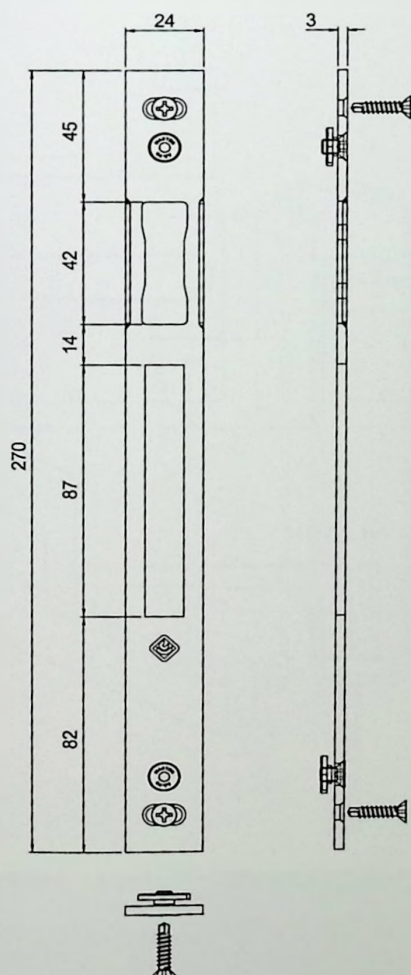
Gâche, vis et cames
en acier inox



Contraplaca, tornillos
y levas de acero
inoxidable

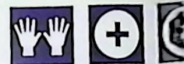


Art.	5303.1			
Imballo Package Confezionamento Embalaje	10 Pz			
FFiniture disponibili Available Finishes FFinitions disponibles Available Finishes	1	2	3	4

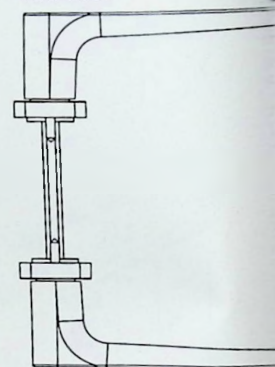


ART.	NODO / SECTION
53031	A01 - A02 - A03 - A05 -A06 - A20 - A21 - A22

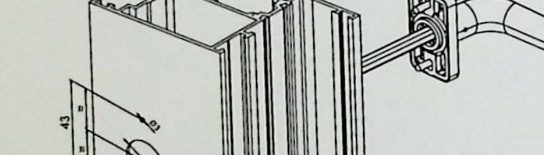
**BREVETTATO
PATENTED**



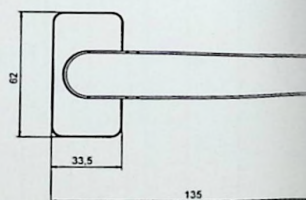
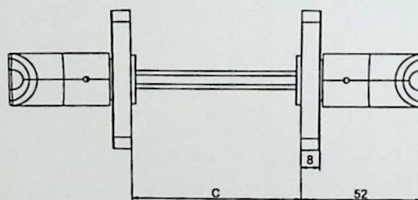
Mango en aluminio
de fundición, rotor en
zamac, caja en derlin,
tapa en aluminio,
tornillos y pernio en
acero, casquillo en
zamac.

Art. 3051

Art. 3051



Technical drawing of the Art. 3051 door handle assembly. The main view shows the handle (1) being inserted into the door (2) and secured with a screw (3). A detail view (A3) shows the handle's internal mechanism. A side view shows the handle's profile. A detail view (A4) shows the handle's internal mechanism.



Art. 3051.10

Technical drawing of a corner bracket. The bracket is shown in a perspective view, highlighting its L-shaped profile. A vertical dimension line labeled 'C' indicates the height of the bracket's vertical leg. A horizontal dimension line labeled 'D' indicates the width of the bracket's horizontal leg. The drawing shows the bracket's internal structure, including a central vertical support and a horizontal support, which are connected by a horizontal bar. The bracket is designed to be mounted on a wall and a ceiling, with the horizontal leg extending from the wall and the vertical leg extending from the ceiling.

DESCRIZIONE DESCRIPTION	ART.	C	D
Mezza maniglia minimal Minimal design half handle	3051.10	Max 110mm	8

ITALIA

DOPPIA MANIGLIA

Doppia maniglia | Double handle
Bequille double | Manilla doble



Manico, cassa,
copricassa e
rotore in alluminio
pressofuso; boccola
antifrizione in
delrin.



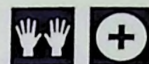
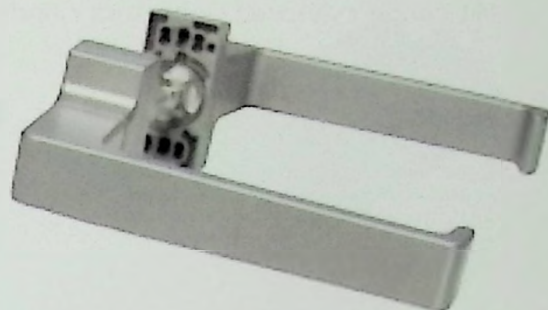
Die-cast aluminium
handle, body, case
and rotor; Delrin low-
friction bushing.



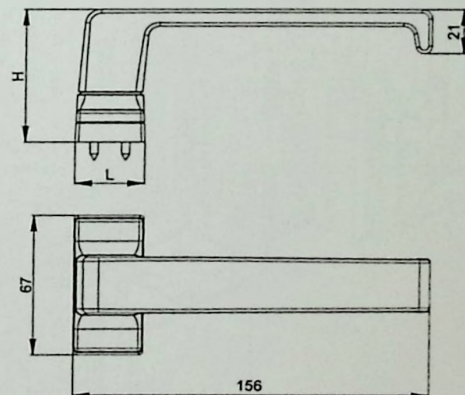
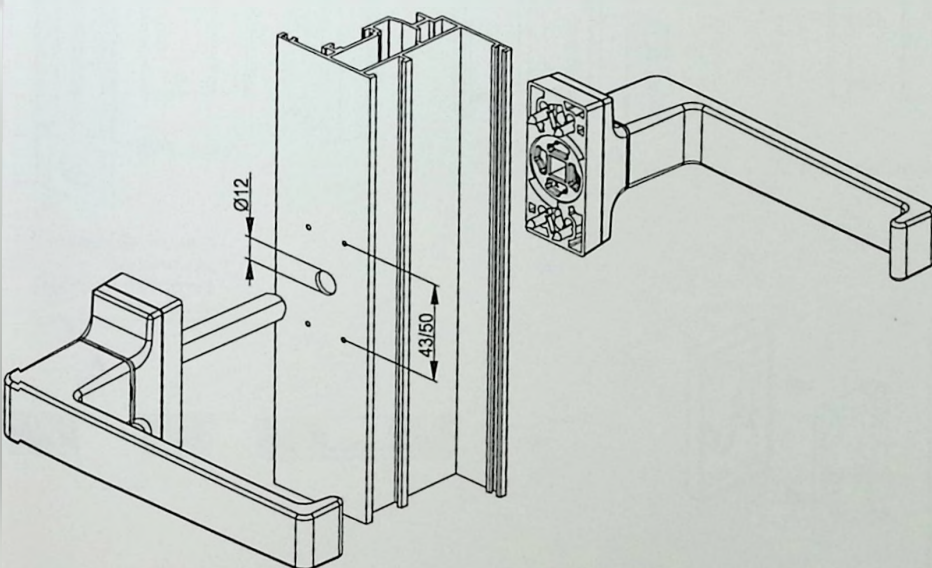
Béquille, caisse,
couvre-caisse et
rotor en aluminium
moulées sous
pression; bagues anti-
friction en delrin.



Mango, caja,
cobertura de caja y
rotor de aluminio de
fundición; casquillos
antifricción de delrin.

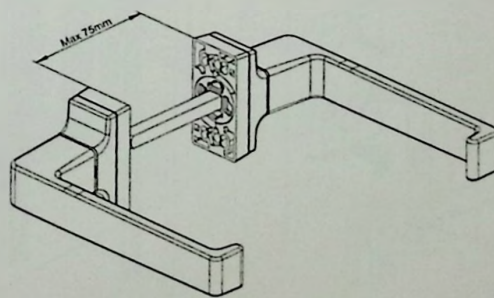
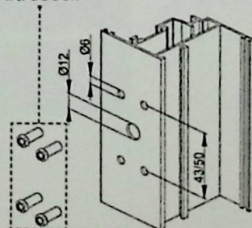


	3065						3060.7					
Imballo Package Conditionnement Embalaje	5 CP						20 Kit					
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	5	6	1	2	3	4	5	6



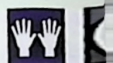
DESCRIZIONE DESCRIPTION	ART.	L	H
"ITALIA" Doppia maniglia "ITALIA" Double handle	3065	31.5	63.5
Kit di fissaggio con inserti filettati Fixing kit with threaded inserts	3060.7	---	---

Art. 3060.7



ITALIA

COPRICILINDRO DI SICUREZZA



Copricilindro | Cylinder cover
Kit cache cylindre | Cobertura cilindro



Copricilindro in nylon;
copertura in zama;
viti in acciaio zincato.



Nylon cylinder
cover; zamak cover;
galvanized steel
screws.



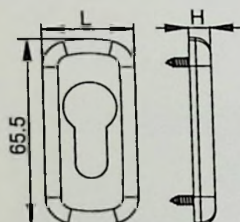
Kit cache cylindre
en nylon; couverture
gâche en zamak; vis
en acier zingué.



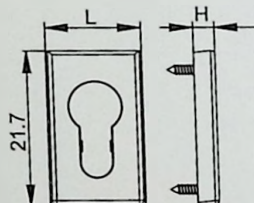
Cobertura cilindro ed
nylon; caja de zamak;
tornillos de acero
galvanizado.



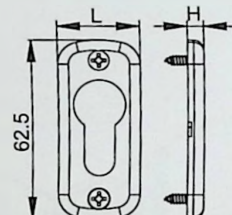
ART.	2129.4 2129.5						2128 2129.3					
Imballo Package Conditionnement Embalaje	20 PZ						500 PZ					
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	5	6	1	2	3	4	5	6



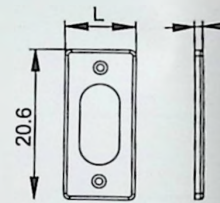
Art. 2129.5
(sistema antisfilamento)



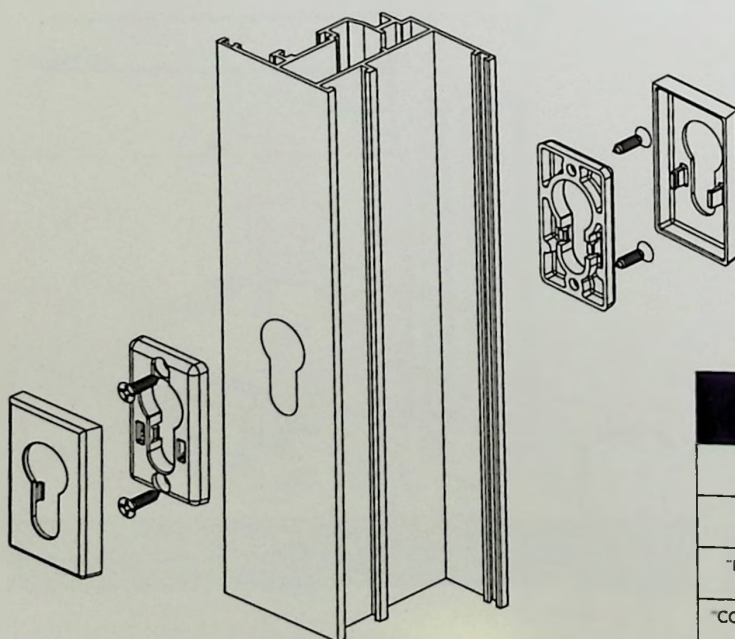
Art. 2129.4
(sistema antisfilamento)



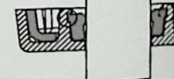
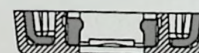
Art. 2129.3



Art. 2128



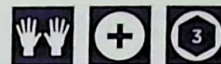
Cilindro Europeo
assemblato
European cylinder
assembly



DESCRIZIONE DESCRIPTION	ART.	H	L
Copricilindro ovale in nylon Nylon oval cylinder cover	2128	3	23
Copricilindro sagomato in nylon Nylon shaped cylinder cover	2129.3	5.5	27.5
"ITALIA" Copricilindro di sicurezza sagomato in zama "ITALIA" Zamak security shaped cylinder cover	2129.4	7	31.5
"COMFORT" Copricilindro di sicurezza sagomato in zama Zamak shaped security cylinder cover	2129.5	7	31.5

TOP SPIN

CERNIERA A PETTINE IN ALLUMINIO ESTRUSO



Cerniera a pettine in alluminio estruso | Comb hinge in extruded aluminium | Paumelle a peigne en aluminium extrudé | Bisagras de tres alas de aluminio extruido



Cerniera lato telaio e lato anta in alluminio estruso, piastrine in zama, boccole e tappini in nylon, viti e perno in acciaio inox.



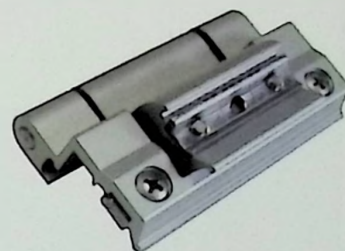
Paumelle side and slider side in extruded aluminium, zamak plates, nylon bushings and caps, stainless steel screws and pin.



Paumelle côté dormant et côté ouvrant en aluminium extrudé, plaques en zamak, bagues et bouchons en nylon, vis et pivot en acier inox.

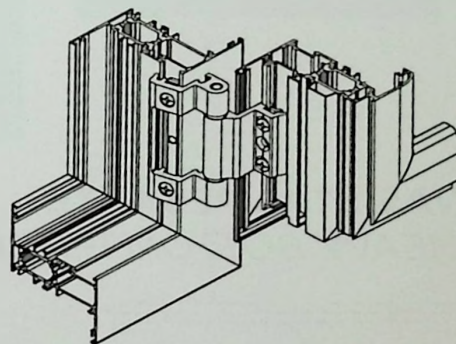
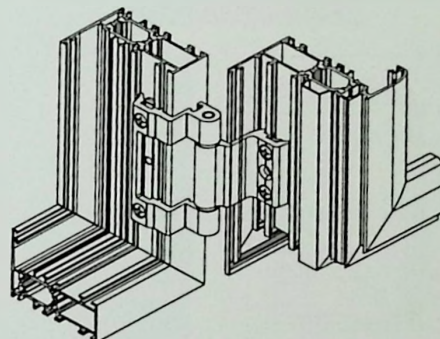
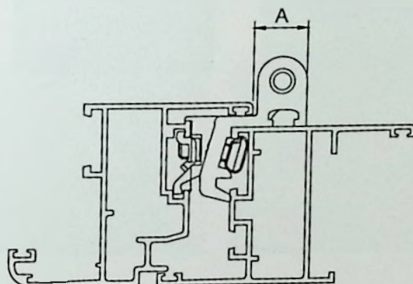
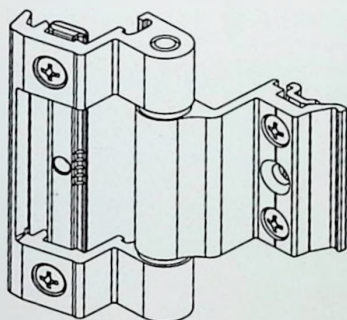


Bisagra del lado del marco y de la hoja de aluminio extruido, placas de zamak, casquillos y tapones de nylon, tornillos y pernio de acero inox.



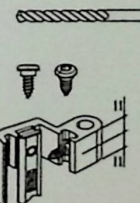
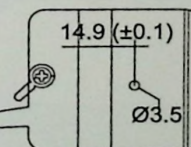
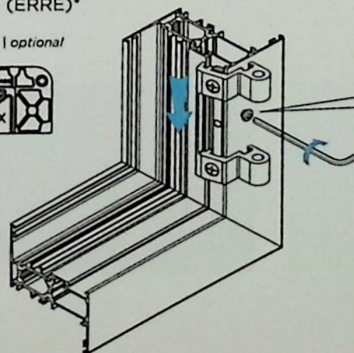
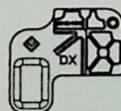
ART.	TUTTI ALL TOUS TODOS
Imballo Package Conditionnement Embalaje	10 PZ
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1 2 3 4

Art. 3420.71 | 3421.71



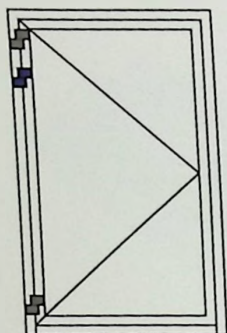
Dima | Template
3400.50 (CE)*
3421.50 (ERRE)*

*opzionale | optional

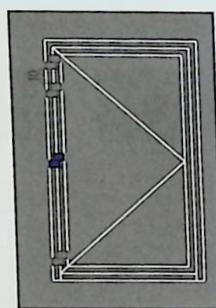
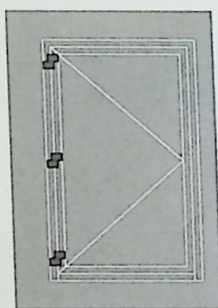
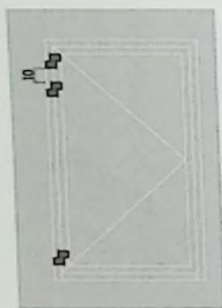
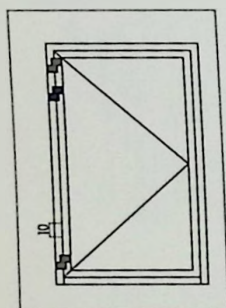


DESCRIZIONE DESCRIPTION	ART	NODO SECTION	A
Cerniera a pettine in alluminio estruso Comb hinge in extruded aluminium	3420.71	A01 - A02 - A03 A05 - A06	15
Cerniera a pettine in alluminio estruso Comb hinge in extruded aluminium	3421.71	A08	15

BATTENTE CASEMENT

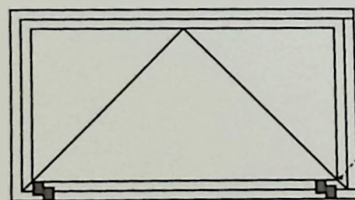


2800	100%	100%	100%	100%	100%	100%	100%	100%	100%
2700	100%	100%	100%	100%	100%	100%	100%	100%	100%
2600	100%	100%	100%	100%	100%	100%	100%	100%	100%
2500	100%	100%	100%	100%	100%	100%	100%	100%	100%
2400	100%	100%	100%	100%	100%	100%	100%	100%	100%
2300	100%	100%	100%	100%	100%	100%	100%	100%	100%
2200	100%	100%	100%	100%	100%	100%	100%	100%	100%
2100	100%	100%	100%	100%	100%	100%	100%	100%	100%
2000	100%	100%	100%	100%	100%	100%	100%	100%	100%
1900	100%	100%	100%	100%	100%	100%	98%	98%	98%
1800	100%	100%	100%	100%	100%	100%	90%	90%	90%
1700	100%	100%	100%	100%	100%	95%	82%	82%	82%
1600	100%	100%	100%	100%	100%	85%	73%	73%	73%
1500	100%	100%	100%	100%	90%	76%	65%	65%	65%
1400	100%	100%	100%	96%	80%	67%	57%	N.D.	N.D.
1300	100%	100%	100%	84%	70%	58%	N.D.	N.D.	N.D.
1200	100%	100%	90%	73%	60%	N.D.	N.D.	N.D.	N.D.
1100	100%	97%	78%	62%	50%	N.D.	N.D.	N.D.	N.D.
1000	100%	83%	65%	51%	N.D.	N.D.	N.D.	N.D.	N.D.
	600	700	800	900	1000	1100	1200	1300	1400

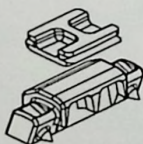


ART.		PORTATA LOAD CAPACITY
3420.71		100% = 80 Kg
3421.71		100% = 80 Kg
3420.71	+	100% = 120 Kg
3521.71	+	100% = 120 Kg

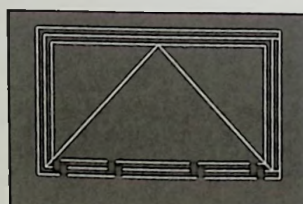
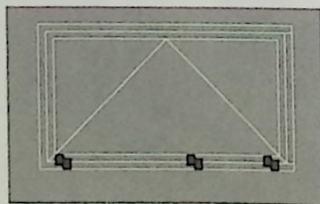
VASISTAS PESANTE HEAVY BOTTOM HINGE WINDOW



Art. 352X.33 *
Kit sostegno anta
Shutter support kit



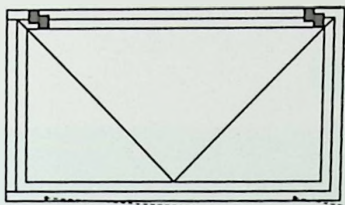
2000	90%	100%	100%	100%
1600	75%	100%	100%	100%
1100	75%	100%	100%	100%
500	60%	60%	100%	100%
	500	1100	1600	2000



ART.	*	PORTATA LOAD CAPACITY
3420.71	+	100% = 200 Kg
3421.71	+	100% = 140 Kg

* OBBLIGATORIO
MANDATORY

SPORGERE
PROJECTING OPENING

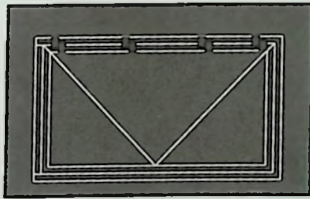
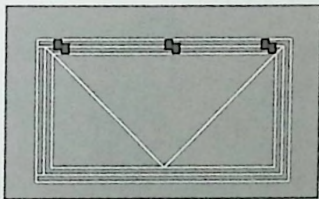
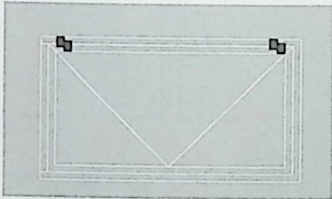


Art. 352X.33 *
Kit sostegno anta
Shutter support kit

H

2000	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1900	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1800	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1700	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1600	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1500	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1400	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1300	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1200	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1100	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1000	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
900	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	N.D.
800	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	N.D.	N.D.	N.D.	N.D.	N.D.
700	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	N.D.	N.D.	N.D.	N.D.	N.D.
600	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	N.D.	N.D.	N.D.	N.D.	N.D.
500	100%	100%	100%	100%	100%	100%	100%	100%	100%	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
400	100%	100%	100%	100%	100%	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
300	100%	100%	100%	100%	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	

L



ART.	*	PORTATA LOAD CAPACITY
3420.71	+	100% = 120 Kg
3421.71	+	100% = 110 Kg

* OBBLIGATORIO
MANDATORY

CILINDRIKA

CERNIERA FILIFORME PER PORTE AD AGGANCIO RAPIDO



Cerniera filiforme per porte ad aggancio rapido | Fast mounting
barrel hinge for doors | Paumelle filiforme pour portes à accrochage
rapid | Bisagra filiforme enganche rápido para puertas



Cerniera e piastrina
lato anta in alluminio
estruso, piastrine
lato telaio, perno,
eccentrico regolatore
altezza, viti e grani
in acciaio inox;
nottolino regolazione
pressione in zama;
Boccola e basette di
regolazione in nylon



Hinge and plate in
extruded aluminum,
plates frame side,
pin, eccentric height
regulator, screws,
stainless steel grains;
adjustment pawl
in zamak; bush and
adjustment bases in
nylon



Paumelle et
contreplaqué côté
vantail en aluminium
extrudé, contreplaqué
côté dormant, axe,
excentrique pour
réglage hauteur, vis,
grains en acier inox;
cliquet de réglage
pression en zamak;
douille et cales de
réglage en nylon



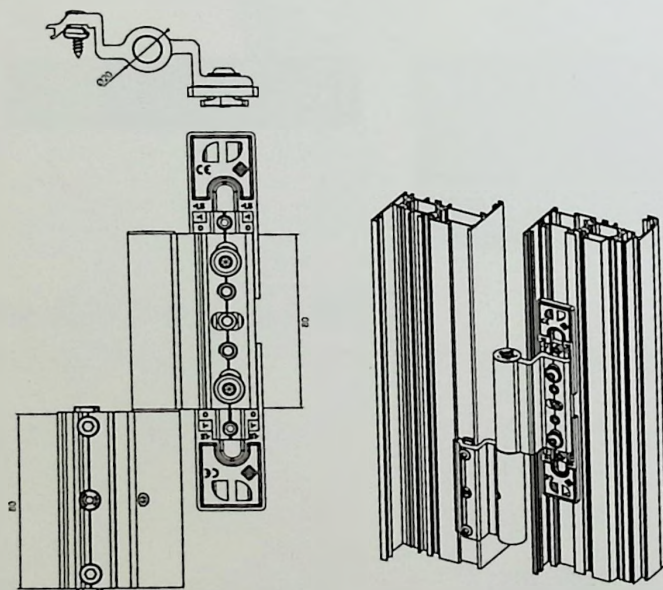
Bisagra y placa lado
hoja de aluminio,
placas lado marco en
aluminio extrudidos,
perno, excéntrico
regulador altura,
tornillos, granos de
acero inoxidable;
ajuste presión en
zamak; casquillo y
bases de ajuste de
nylon.



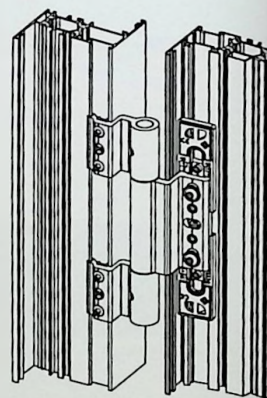
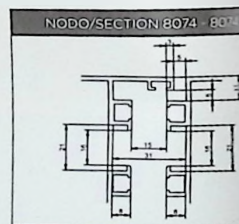
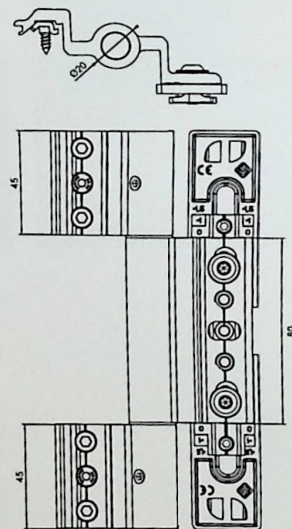
ART.	8072 8073 8074 8075				8072.6 8073.6 8074.6 8075.6			
Imballo Package Conditionnement Embalaje	20 PZ				8 PZ			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4

ART.		
DUE ALI TWO WINGS	TRE ALI THREE WINGS	NODO SECTION
8072	8072.6	A01 - A02
8073	8073.6	A08
8074	8074.6	CUSTOM
8075	8075.6	B01 - B02

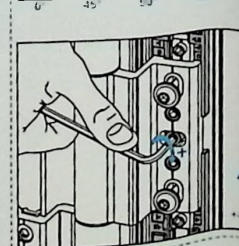
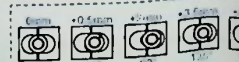
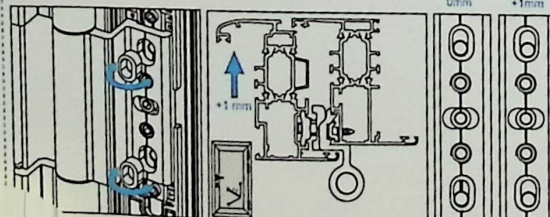
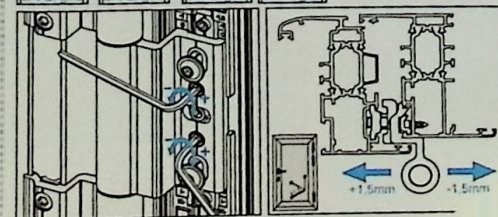
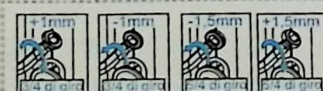
DUE ALI | TWO WINGS
Art. 8072 | 8073 | 8074 | 8075



TRE ALI | THREE WINGS
Art. 8072.6 | 8073.6 | 8074.6 | 8075.6



REGOLAZIONI | ADJUSTMENT

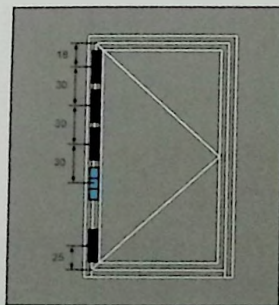
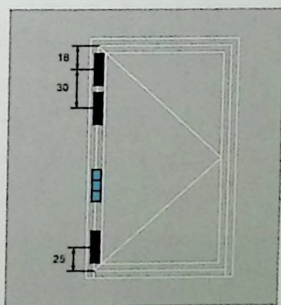
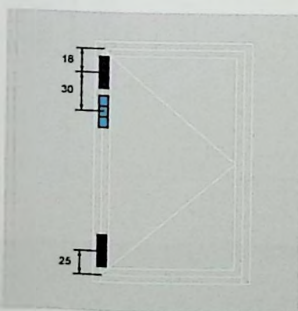


4000	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3900	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3800	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3700	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3600	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3500	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3400	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3300	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3200	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3100	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3000	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2900	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2800	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2700	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2600	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2500	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	96%
2400	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	90%
2300	100%	100%	100%	100%	100%	100%	100%	100%	100%	93%	84%
2200	100%	100%	100%	100%	100%	100%	100%	100%	97%	87%	78%
2100	100%	100%	100%	100%	100%	100%	100%	100%	90%	80%	71%
2000	100%	100%	100%	100%	100%	100%	100%	94%	83%	73%	65%
	600	700	800	900	1000	1100	1200	1300	1400	1500	1600

L

Indipendentemente dal peso della porta, per porte sottoposte ad un intenso utilizzo come nel caso di edifici aperti al pubblico, porte con chiudiporta o porte ad azionamento motorizzato il limite di impiego è limitato a H 3000 e L 1400 con l'utilizzo della terza o quarta cerniera (cerniera azzurra) come da diagramma.

Whatever the door weight, doors subject to heavy duty, such as public building, doors with closers or automatic doors have a limited range of application limited to H 3000 and L 1400 and must be fitted with an addition hinge (light blue hinge) as in the diagram.



ART	ALI WINGS	PORTATA LOAD CAPACITY
8072	■	100% = 140kg
8072 6	■	100% = 160 kg
8073	■	100% = 120kg
8073	■	100% = 140kg
8075	■	100% = 120kg
8075 6	■	100% = 140kg
8074	■	100% = 120kg
8074 6	■	100% = 140kg

Esempio

1. Dim. LxH (WxH) 1200x2200 = 100% Portata 2 cerniere (Load Capacity 2 hinges)
2. Dim. LxH (WxH) 1600x2200 = 100% Portata 3 cerniere (Load Capacity 3 hinges)
3. Dim. LxH (WxH) 1400x3300 = 100% Portata 4 cerniere (Load Capacity 4 hinges)

I diagrammi hanno validità per spessore profili | Load charts is for profiles thickness) ≥ a 1,7 mm

DINAMIKA

CERNIERA A 2 ALI PER PORTE CON REGOLAZIONI INDIPENDENTI

Cerniera per porte | Door hinge
Paumelle pour portes | Bisagra para puertas



Corpo base cerniera, carter in alluminio estruso. grani di fissaggio in Acciaio Inox AISI 303. Grano di regolazione in Acciaio Zincato. Boccole in Zama. Boccole in Derlyn. Tappi cerniera in materiale plastico (Nylon Pa6).



Hinge base body and body in extruded aluminium. locking set screws in stainless steel AISI 303. Galvanized steel adjustment set screw. Zamak bushings. Derlyn Bushings. Hinge caps in plastic (Nylon Pa6)



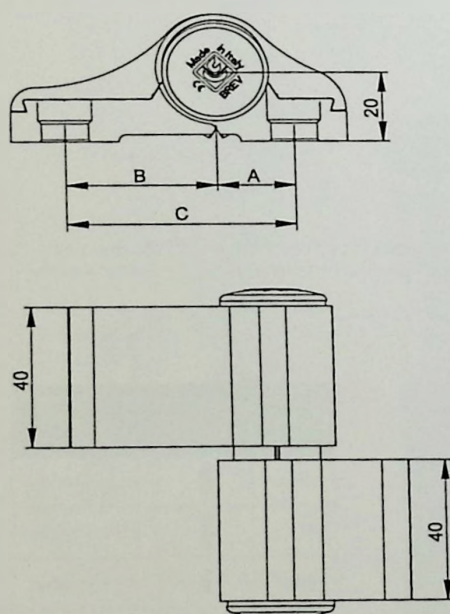
Corps base charnière, carter en aluminium extrudé. goujons de fixation en acier inox AISI 303. Goujon de réglage en acier galvanisé. Bagues en zamak. Bagues en Derlyn. Bouchons charnière en matériau plastique (Nylon Pa6)



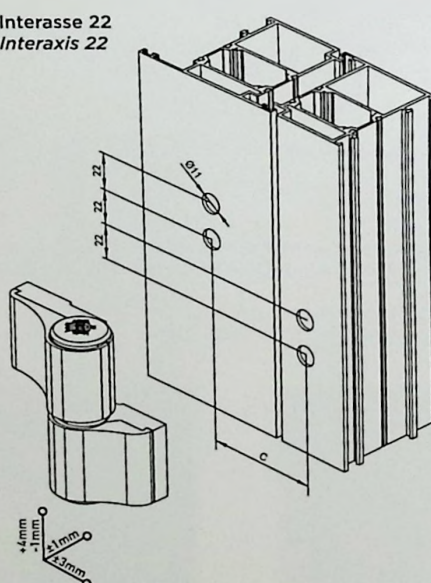
Cuerpo base de bisagra, carter de aluminio extruido. tornillos prisioneros de fijación de acero inoxidable AISI 303. Tornillo prisionero de regulación de acero galvanizado. Casquillos de Zamak. Casquillos de Derlyn. Tapones bisagra de material plástico (Nylon Pa6)



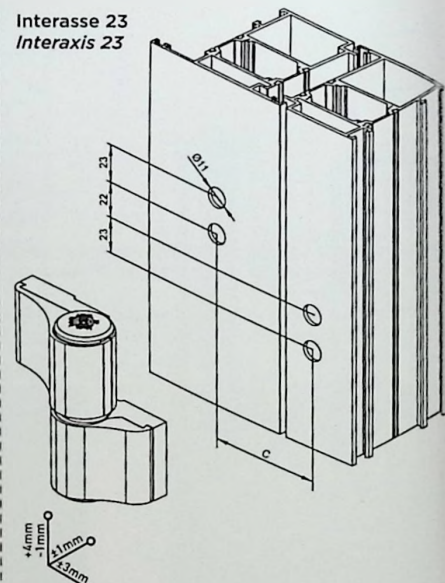
ART.	8010 8011 8012 8013 8014				8010G 8011G 8012G 8013G 8014G			
Imballo Package Conditionnement Embalaje	20 PZ				20 PZ			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4



Interasse 22
Interaxis 22



Interasse 23
Interaxis 23



DINAMIKA 2 ALI DINAMIKA 2 WING			
ART	A	B	C
8010	20.5	39.5	60
8011	20.5	46.5	67
8012	39.5	39.5	79
8013	39.5	46.5	86
8014	46.5	46.5	93

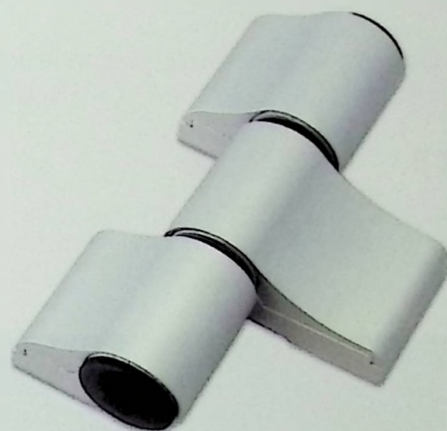
DINAMIKA 2 ALI DINAMIKA 2 WING			
ART	A	B	C
8010G	20.5	39.5	60
8011G	20.5	46.5	67
8012G	39.5	39.5	79
8013G	39.5	46.5	86
8014G	46.5	46.5	93

**CERNIERA A 3 ALI PER PORTE
CON REGOLAZIONI INDIPENDENTI**

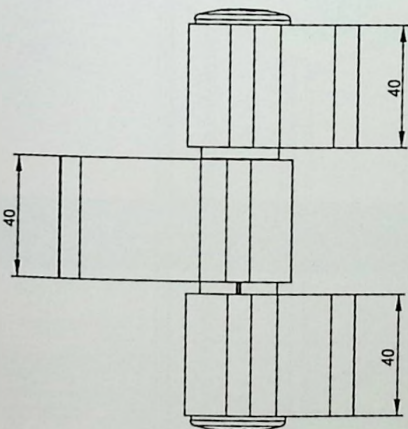
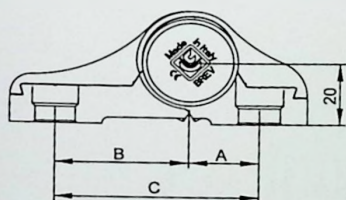


Finger base body and
body threaded
bearing locking
nut screw in stainless
steel 304/316/317.
Finger base steel
adjusting set screw.
Flange bearings.
Finger bearings
Finger base in plastic
(Nylon 6/6).

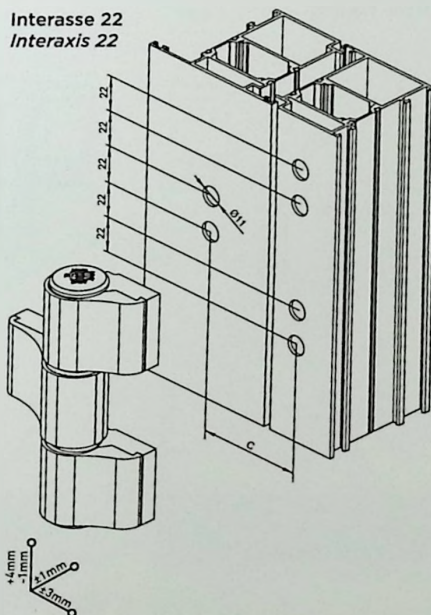
Cuerpo base de bisagra, cárter de aluminio extruido. tornillos prisioneros de fijación de acero inoxidable AISI 303. Tornillo prisionero de regulación de acero galvanizado. Casquillos de Zamak. Casquillos de Derlyn. Tapones bisagra de material plástico (Nailon Pa6).



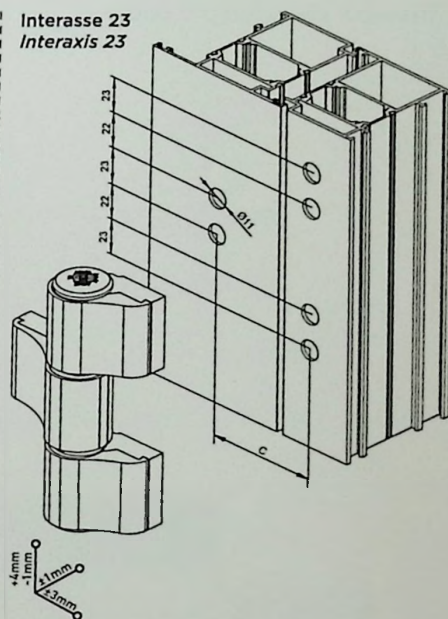
ART.	8010.11 8011.11 8012.11 8013.11 8014.11				8010G.11 8011G.11 8012G.11 8013G.11 8014G.11			
Imballo Package Conditionnement Embalaje	8 PZ				2 PZ			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4



Interasse 22
Interaxis 22



Interasse 23
Interaxis 23



DINAMIKA 3 ALI DINAMIKA 3 WING			
ART	A	B	C
8010.11	20 5	39 5	60
8011.11	20 5	46 5	67
8012.11	39 5	39 5	79
8013.11	39 5	46 5	86
8014.11	46 5	46 5	93

DINAMIKA 3 ALI DINAMIKA 3 WING			
ART	A	B	C
8010G 11	20 5	39 5	60
8011G 11	20 5	46 5	67
8012G 11	39 5	39 5	79
8013G 11	39 5	46 5	86
8014G 11	46 5	46 5	93

FISSAGGI DINAMIKA

FISSAGGI CERNIERE PORTE PROFILI TAGLIO FREDDO



Fissaggi cerniere porte profili freddi | Cold profile fixing | Fixation pour les profilés froids | Fijación para perfiles frío



Alluminio estruso,
molla zincata e viti
M8xX



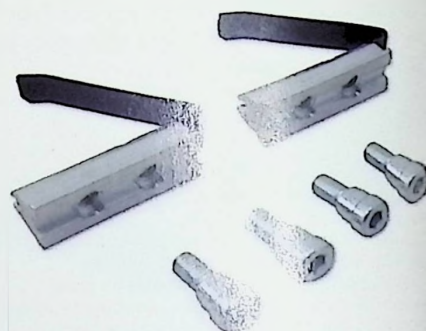
Extruded aluminum,
galvanized steel
spring and screws
M8XX



Aluminium extrudé,
ressort en acier
zingué et vis M8XX

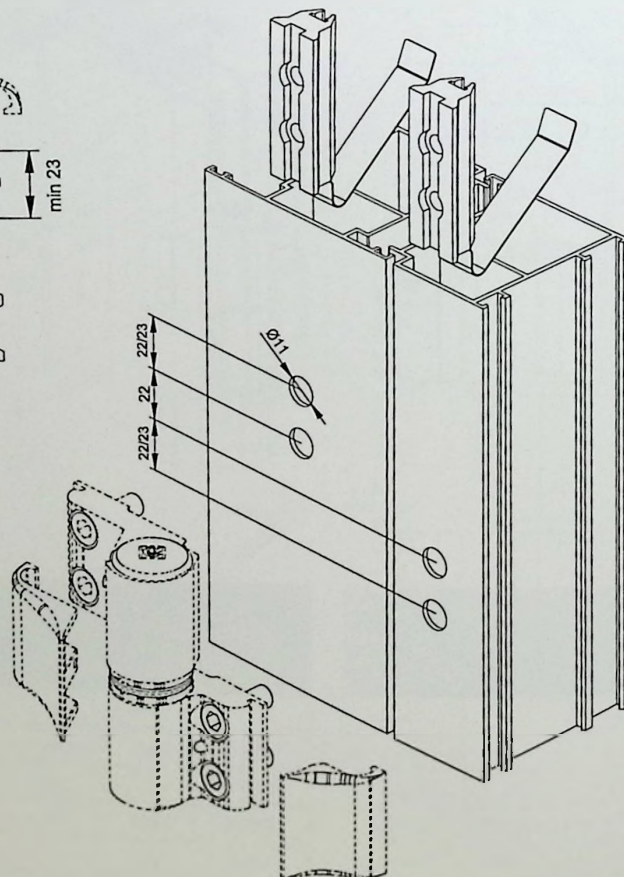
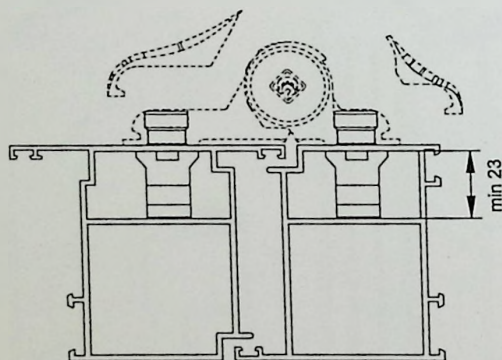


Aluminio extruido,
muelle en acero
cincado y tornillos
M8XX

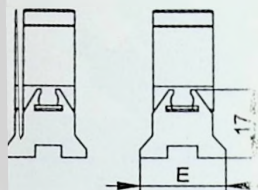
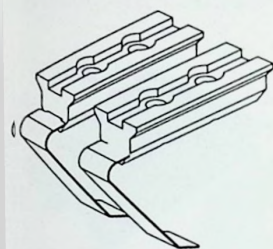


ART.	8010G.17 8010G.18 8000G.XX 8000G.XX 8010G.10 8000G.39 8000G.40 8010G.16				8000.9			
Imballo Package Conditionnement Embalaje	20 Pz				50 Pz			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4

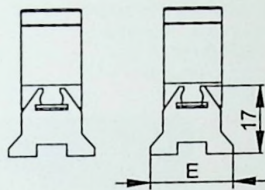
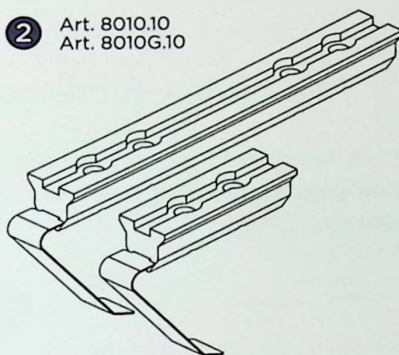
Fissaggi per taglio freddo - Cold profile fixing



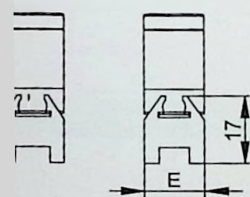
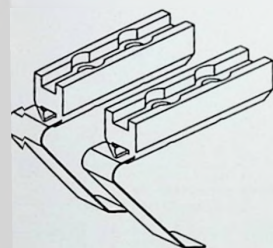
1 Art. 8000.9
Art. 8000G.9



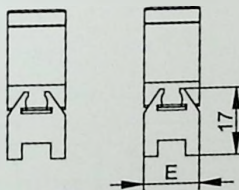
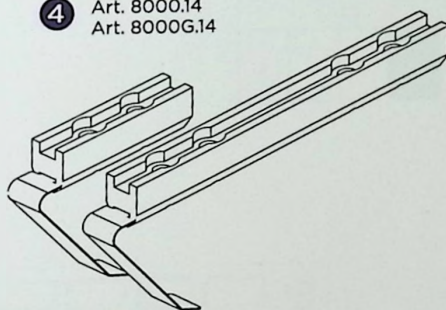
2 Art. 8010.10
Art. 8010G.10



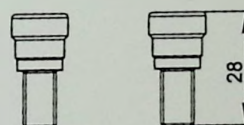
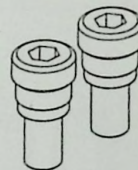
3 Art. 8000.13
Art. 8000G.13



4 Art. 8000.14
Art. 8000G.14



5 Art. 8010.16



DESCRIZIONE DESCRIPTION	ART		E
	Int. 22	Int. 23	
1 coppia di contropiastre per cerniera a 2 ali 22 ali Counterplates for 2 wings hinge	8000.9	8000G.9	20
1 coppia di contropiastre per cerniera a 3 ali 33 ali Counterplates for 3 wings hinge	8010.10	8010G.10	20
1 coppia contropiastre ridotte per cerniera a 2 ali 22 ali Reduced Counterplates for 2 wings hinge	8000.13	8000G.13	14
1 coppia contropiastre ridotte per cerniera a 3 ali 33 ali Reduced counterplates for 3 wings hinge	8000.14	8000G.14	14
1 kit di fissaggio M8 x 28mm (2 pz) 2 pz Fixing screws M8 X 28mm (2 pz)	8010.16	8010G.16	---

1

2

3

4

5

DESCRIZIONE DESCRIPTION	ART		E
	Int. 22	Int. 23	
1 Kit contropiastre per cerniera a 2 ali con viti 22 ali Counterplates for 2 wings hinge with screws	8010.17	8010G.17	20
2 Kit contropiastre per cerniera a 3 ali con viti 33 ali Counterplates for 3 wings hinge with screws	8010.18	8010G.18	20
3 Kit contropiastre ridotte per cerniera a 2 ali con viti 22 ali Reduced Counterplates for 2 wings hinge with screws	8000.39	8000G.39	14
4 Kit contropiastre ridotte per cerniera a 3 ali con viti 33 ali Reduced counterplates for 3 wings hinge with screws	8000.40	8000G.40	14

1 + 5 + 5

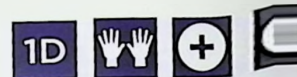
2 + 5 + 5 + 5

3 + 5 + 5

4 + 5 + 5 + 5

HOOK

Rostro di chiusura supplementare antisollevamento



Rostro di chiusura supplementare | Additional intermediate third closing point | Crochet de fermeture supplémentaire | Punto de cierre suplementario



Slitta, riscontro e base riscontro in zama; vite TSCCR M4x6 e grano in acciaio inox.



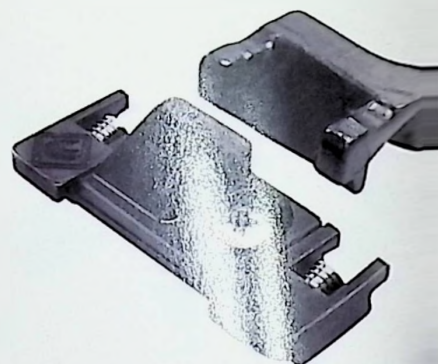
Zamk slider, counterplate and base of the counterplate; TSCCR M4x6 screw and stainless steel setscrew.



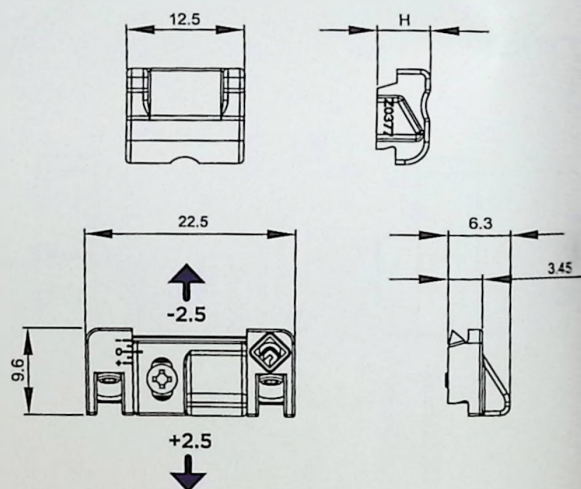
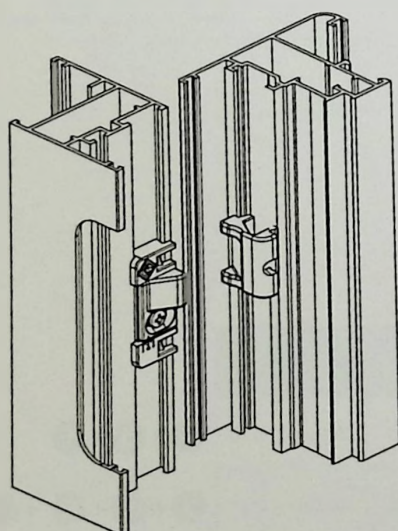
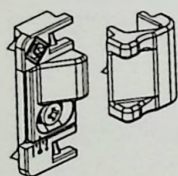
Glissière, gâche et base de la gâche en zamak; vis TSCCR M4x6 et grain en acier inox.



Resbalón, cerradero y base del cerradero en zamak; tornillo TSCCR M4x6 y pernio en acero inoxidable.



ART.	4226.1 4226.2 4226.3			
Imballo Package Conditionnement Embalaje	40 Kit			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4



ART.	H	NODO SECTION
4226.1	5.5	A01 - A02 - A05 - A06 - A20 - A21 - A22
4226.2	6.5	A08
4226.3	5.5	A03

EMPIRE

Rostro di chiusura supplementare universale



Rostro di chiusura supplementare universale | Universal additional locking point
 point | Gâche de fermeture supplémentaire universel | Punto de cierre
 suplementario universal



Rostro in zama;
 spessori in nylon; viti
 in acciaio inox



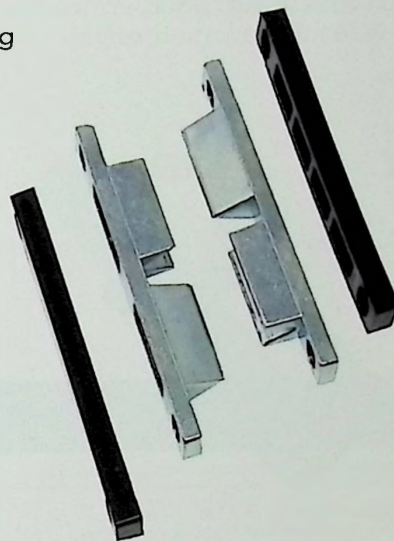
Zamak slider, nylon
 thickness; inox steel
 screws



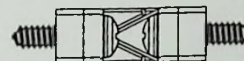
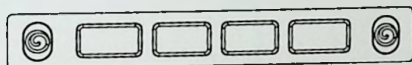
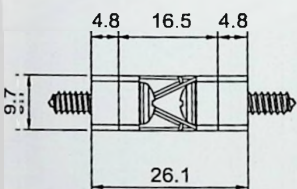
Gâche en zamak;
 cales en nylon; vis en
 acier inox



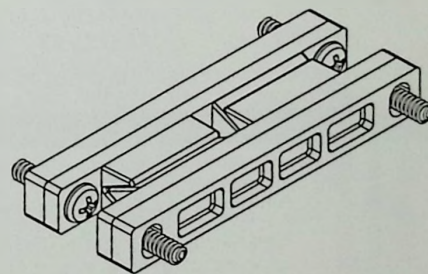
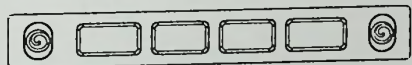
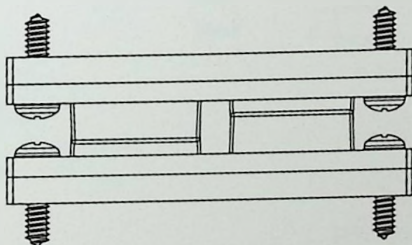
Gâche en zamak;
 cales en nylon; vis en
 acier inox



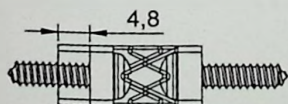
ART.	4227
Imballo Package Conditionnement Embalaje	50 Pz
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1 2 3 4



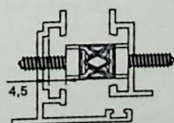
ART.	NODO / SECTION
4227	A01 - A02 - A03 A05 - A06 - A08 A20 - A21 - A22 - A23



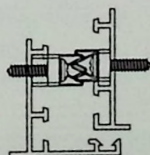
APPLICAZIONE / APPLICATION



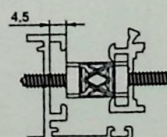
CE



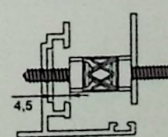
R40



CE 10



CW



Tranciare l'ala dell'anta oppure sfondare
 lateralmente l'isola della basetta
 Cut off the wing of the leaf or break the side
 slot of the base

ROSTRO PER CHIUSURE ANTIEFFRAZIONE



Rostro per chiusure antieffrazione | Anti-burglary additional locking point
| Gâche invisible pour fermetures anti-effraction | Punto de cierre
suplementario anti-intrusión



Corpo in alluminio
estruso, perno, viti e
grano in acciaio inox



Extruded aluminium
body, pins, screw and
setscrew in stainless
steel



Corps en aluminium
extrudé; pion et vis
en acier inox

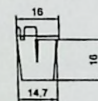
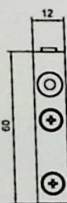
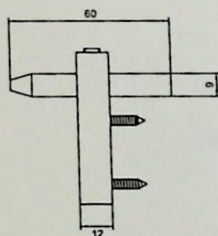


Cuerpo in aluminio
extruido, perno,
tornillos y tornillos
prisioneros de acero
inoxidable



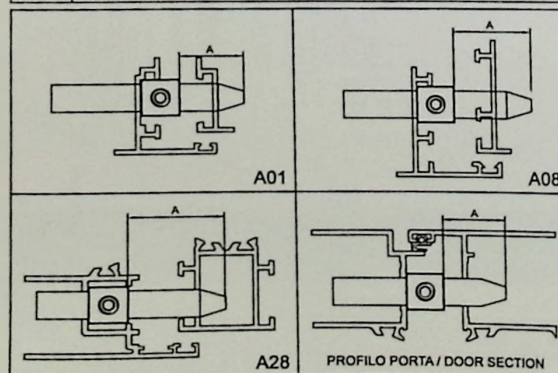
ART.	4228
Imballo Package Conditionnement Embalaje	20 Pz
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1 2 3 4

ART.	NODO / SECTION
4228	A01 - A02 - A05 - A06 - A08 - A20 A21 - A22 - A23

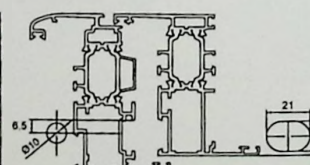
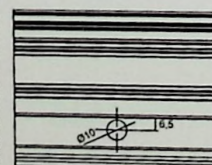


SPORGENZA PERNO IN FUNZIONE DELLA TIPOLOGIA DI CERNIERA
PIN SIZE ACCORDING TO THE TYPE OF HINGE

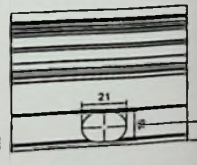
A	TIPOLOGIA CERNIERE TYPE OF HINGES
20	Top Rapid Cerniere a Pettine Ween Top Rapid Comb Hinge Ween Ween Hide 110 Ween Hide 110 ERRE Ween Hide 180 Dinamika
30	Slim Rapid Top Rapid long hinge



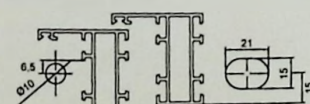
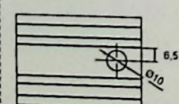
Anta Camera Europea
Euro Groove Sash



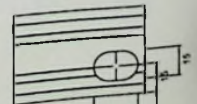
Telaio Camera Europea
Euro Groove Frame

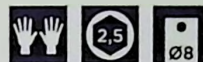


Anta Cava Erre
Erre Groove Sash



Telaio Cava Erre
Erre Groove Frame





CATENACCIO BIDIREZIONALE CAVA SINGOLA

Catenaccio a leva bidirezionale per anta affiancata | Two-way latch for inactive sash | Bidirectionnel verrou pour dormant | Pasador bidireccional para hoja pasiva



Movimentazione e puntali in zama; compensatori in delrin; viti e camme in acciaio inox.



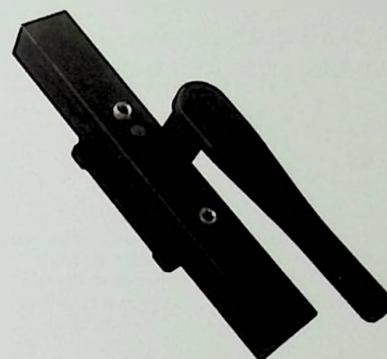
Zama; movimentazione e puntali in zama; compensatori in delrin; viti e camme in acciaio inox.



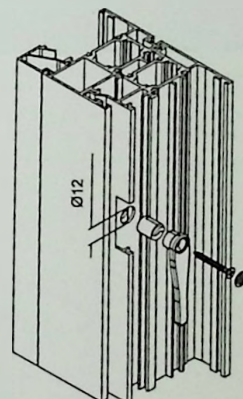
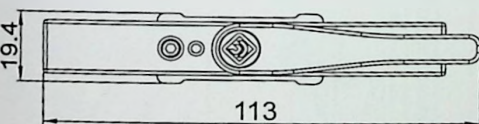
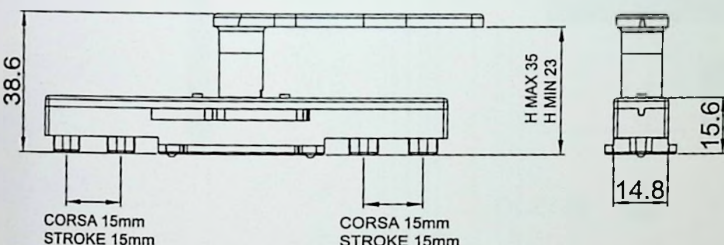
Mouvement et gâche terminale en zamak; compensateurs en delrin; cames et vis en acier inox.



Movimiento y puntal de zamak; compensadores en delrin; tornillos y placas en acero inoxidable.

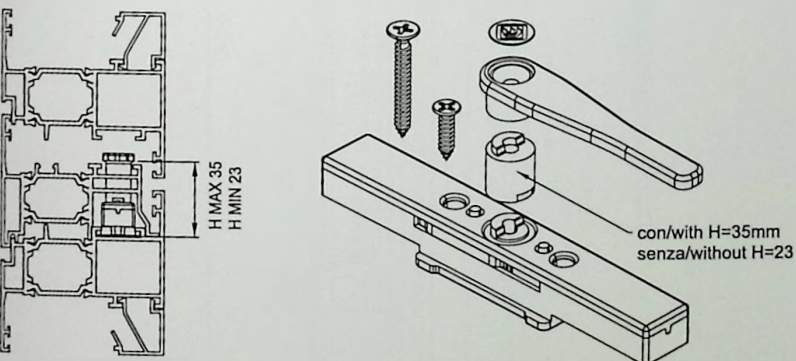
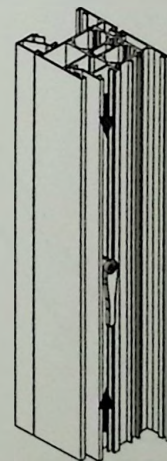
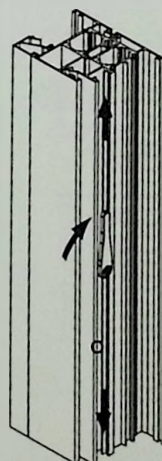


ART.	4517.1			
Imballo Package Conditionnement Embalaje	10 PZ			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4



CHIUSO
CLOSED

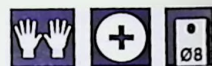
APERTO
OPEN



DESCRIZIONE DESCRIPTION	ART	NODO SECTION
Catenaccio a leva bidirezionale per anta affiancata Two-way latch for inactive sash	4517.1	B02

BI-HID

CATENACCIO A LEVA BIDIREZIONALE PER ANTA AFFIANCATA CE



Catenaccio a leva bidirezionale per anta affiancata CE | Two-way latch for inactive sash Euro Groove | Bidirectionnel verrou pour dormant CE | Pasador bidireccional para hoja pasiva CE



Movimentazione e puntali in zamac; compensatori in delrin; viti e camme in acciaio inox.



Zamak movimentation and push rod; delrin compensators; cams and screws in stainless steel.



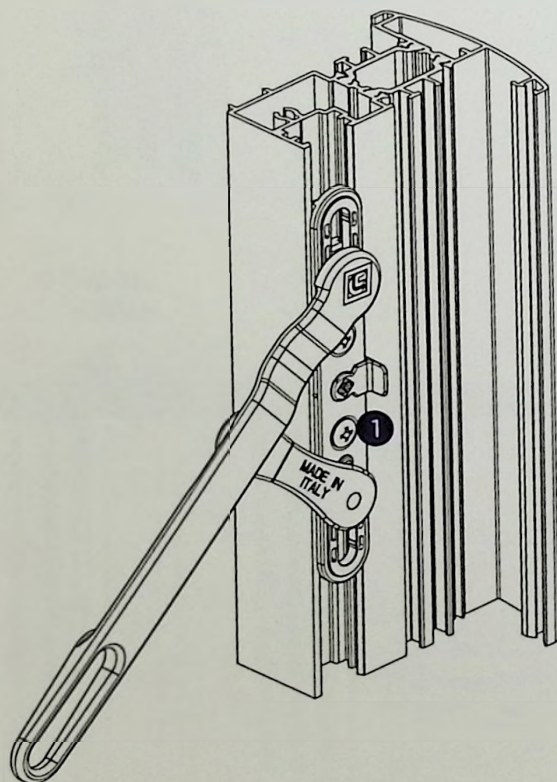
Mouvement et gâche terminale en zamak; compensateurs en delrin; cames et vis en acier inox.



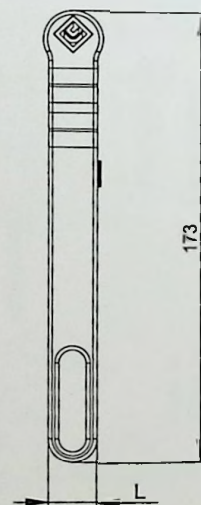
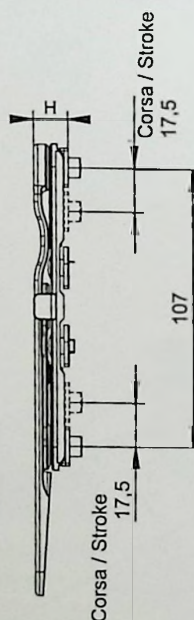
Movimiento y puntal de zamac; compensadores en delrin; tornillos y placas en acero inoxidable.



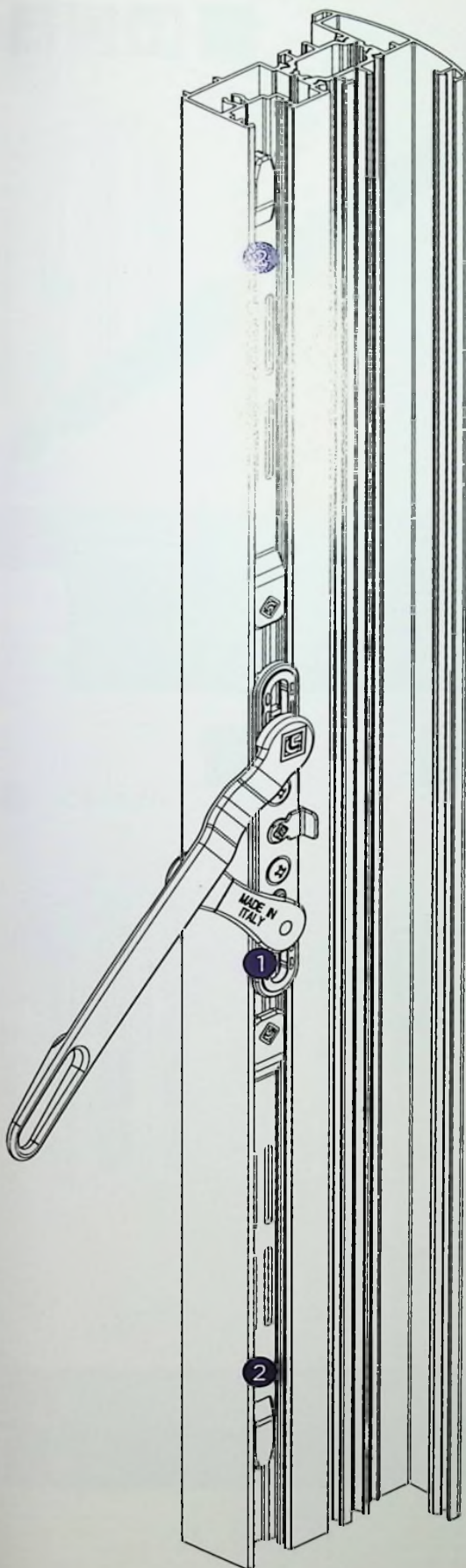
ART.	4515.1				4515.10 4515.15			
Imballo Package Conditionnement Embalaje	10 PZ				20 PZ			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4



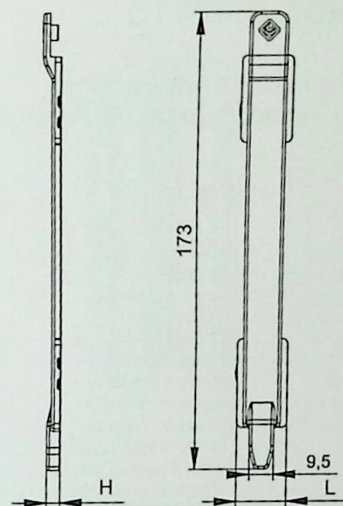
1 4515.10



DESCRIZIONE DESCRIPTION	ART	H	L	NODO SECTION
Corpo di manovra Slider	4515.10	13	22	B01 - B03 - B07 - B08

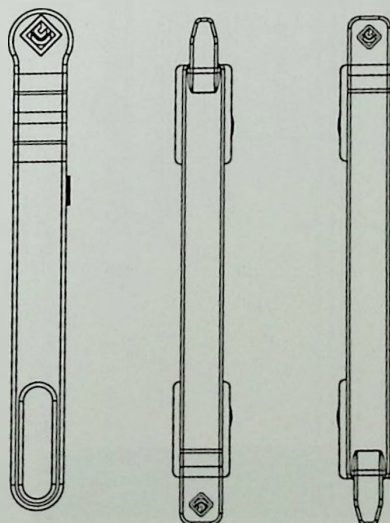


2 4515.15



DESCRIZIONE DESCRIPTION	ART	H	L	NODO SECTION
Terminale superiore ed inferiore Upper and lower rod end	4515.15	7	19.5	A01 - A02 - A04 - A06 - A20 - A21 - A22 - B01 B07 - B08

1 + 2 4515.1 - Kit



DESCRIZIONE DESCRIPTION	ART	NODO SECTION
Corpo di manovra + terminale superiore ed inferiore Slider + upper and lower rod end	4515.1	B01 - B07 - B08

SIRIO NEW LINE

CATENACCIO A COMANDO DIRETTO



Catenaccio a comando diretto | Direct driving latch
Verrou a commande directe | Pasador de mando directo



Corpo di manovra, piastrina di collegamento, corpo terminale e boccola copri perno in nylon con fibra di vetro; blocchetto di posizionamento in zama zincata; perno terminale in acciaio zincato o ottone; grano M5 in acciaio.



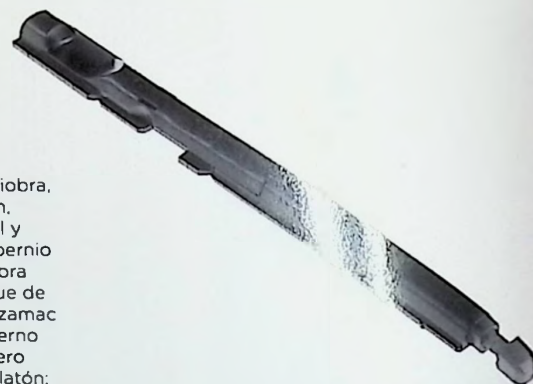
Slider, connecting plate, end piece and pin-cover bushing in nylon with fiberglass; zinc-coated zamak positioning block; galvanized steel or brass terminal pin; steel M5 setscrew.



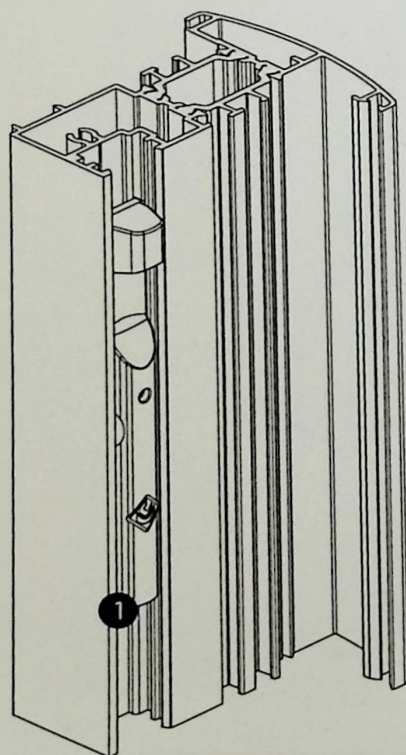
Corps de manœuvre, plaque de raccordement, embout de tringle et bague terminale en nylon avec fibre de verre; bloc de positionnement en zamak zinguée; pivot pour embout de tringle en acier zingué ou en laiton; grain M5 en acier.



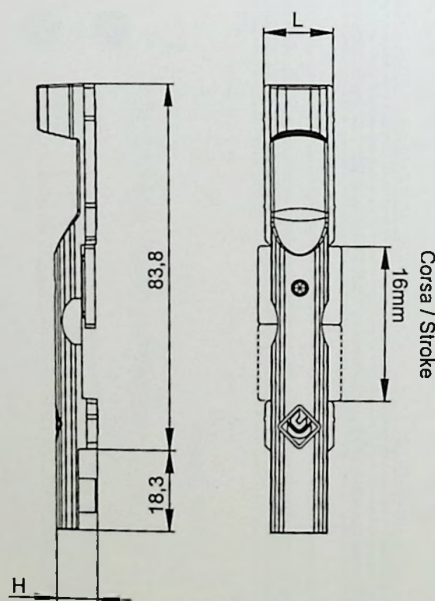
Cuerpo de maniobra, pletina de unión, cuerpo terminal y casquillo para pernio de nylon con fibra de vidrio; bloque de colocación de zamak galvanizado; perno terminal de acero galvanizado o latón; prisionero M5 de acero.



ART.	4022.20 4023.20 4024.20				4011.20 4012.20 4018.20 4011B.20 4011B.21 4011B.22 4012B.20 4013B.21 4013B.22				4032.20 4033.20 4032B.20 4032B.21 4032B.22 4033B.20 4034B.21 4034B.22				4013.20 *4034.20			
Imballo Package Conditionnement Embalaje	50 Pz				100 Pz				200 Pz				50 Cp *100 Cp			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

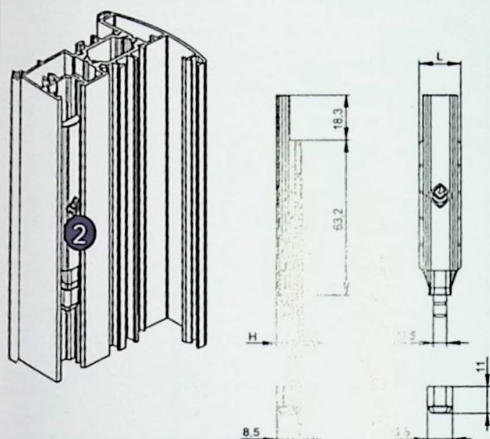


1 A402X.20



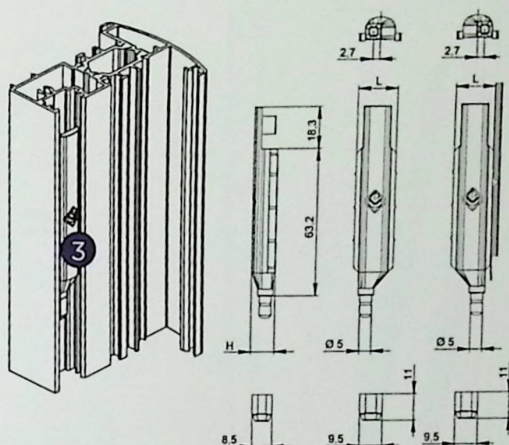
ART.	L	H	NODO SECTION
4022.20	19	9.5	B01 - B07 - B08 - B11
4023.20	15.7	9.4	B03
4024.20	17.3	10	B04

2 403X.20



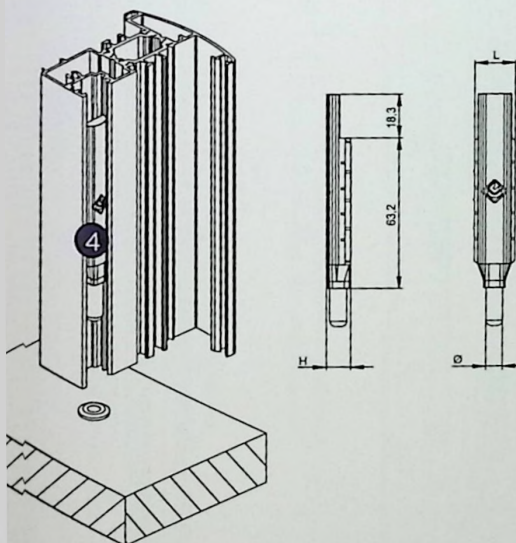
DESCRIZIONE DESCRIPTION	ART.	L	H	NODO SECTION
"NEW SIRIO" Terminale asta con perno zincato e tappino regolabile "NEW SIRIO" Rod-end with galvanized pin and adjustable cover	4032.20	19.2	9.5	A01 - A02 A05 - A06 A10 - A11 A12 - A16 - A17 A20 - A21 - A22 - B01 - B07 - B08 - B11
	4033.20	15.7	9.2	B03

3 4034.20



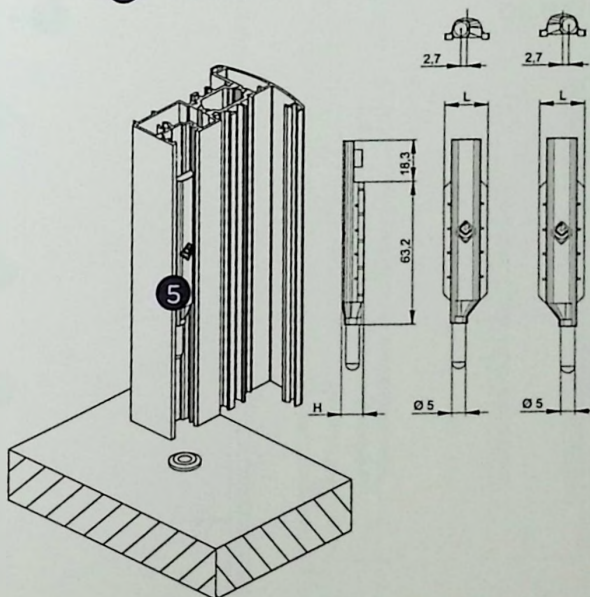
DESCRIZIONE DESCRIPTION	ART.	L	H	NODO SECTION
"NEW SIRIO" Terminale asta DX-SX con perno zincato decentrato e tappino regolabile "NEW SIRIO" rod end DX-SX with non centered galvanized pin and adjustable cover	4034.20	17.3	13.5	A08 - A23 B04

4 403XB.20



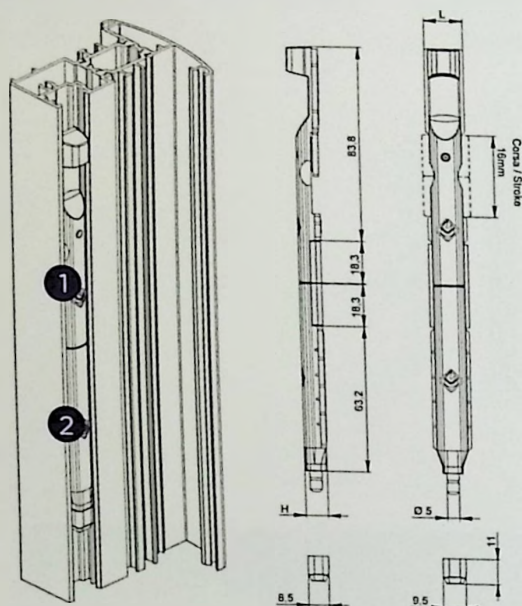
DESCRIZIONE DESCRIPTION	ART.	L	H	Ø	NODO SECTION
"NEW SIRIO" Terminale asta con puntale in ottone "NEW SIRIO" Rod-end with brass pin	4032B.20	19.2	9.5	8	A16 - A17 - A20 A21 - A22 - B01 B07 - B08 - B11
	4033B.20	15.7	9.2	8	B03

5 403XB.2X



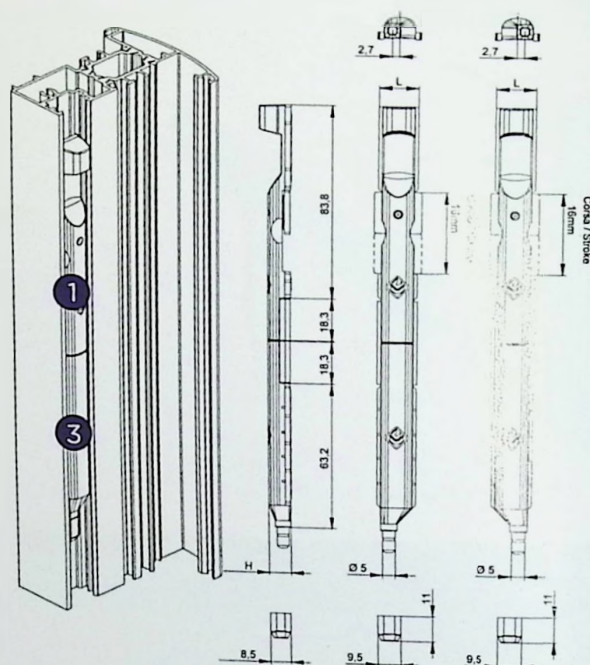
DESCRIZIONE DESCRIPTION	ART.	L	H	Ø	NODO SECTION
"NEW SIRIO" Terminale asta con puntale in ottone - Dx "NEW SIRIO" Rod-end with brass pin - Rx	4032B.21	19.2	9.5	6	A16 - A17 - A20 A21 - A22 - B01 B07 - B08 - B11
	4034B.21	17.2	10.2	7	A08 - A23 - B04
"NEW SIRIO" Terminale asta con puntale in ottone - Sx "NEW SIRIO" Rod-end with brass pin - Lx	4032B.22	19.2	9.5	6	A16 - A17 - A20 A21 - A22 - B01 B07 - B08 - B11
	4034B.22	17.2	10.2	7	A08 - A23 - B04

1 + 2 401X.20



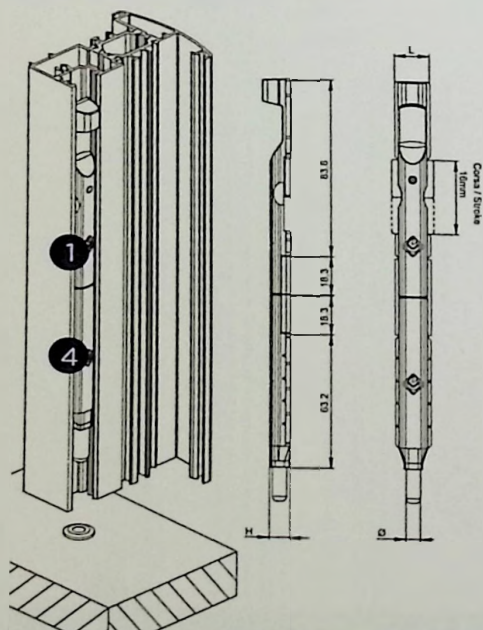
DESCRIZIONE DESCRIPTION	ART.	L	H	NODO SECTION
"NEW SIRIO" Catenaccio a comando diretto	4011.20	19	9.5	B01 - B07 - B08 B10 - B11
"NEW SIRIO" Direct driving latch	4012.20	15.7	9.2	B03
	4018.20	15.7	9.2	Bodega 50

1 + 3 4013.20



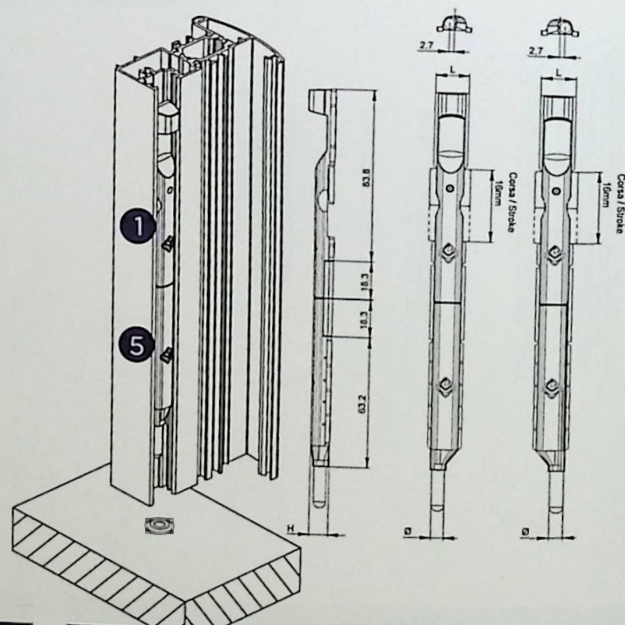
DESCRIZIONE DESCRIPTION	ART.	L	H	NODO SECTION
"NEW SIRIO" Catenaccio a comando diretto	4013.20	17.3	10.2	B04
"NEW SIRIO" Direct driving latch				

1 + 4 401XB.20



DESCRIZIONE DESCRIPTION	ART.	L	H	Ø	NODO SECTION
"NEW SIRIO" Catenaccio a comando diretto con puntale in ottone	4011B.20	19	9.5	8	B01 - B07 - B08 B10 - B11
"NEW SIRIO" Direct driving latch with brass pin	4012B.20	15.7	9.2	8	B03

1 + 5 401XB.2X



DESCRIZIONE DESCRIPTION	ART.	L	H	Ø	NODO SECTION
"NEW SIRIO" Catenaccio a comando diretto con puntale in ottone - DX	4011B.21	19	9.5	6	B01 - B07 - B08 - B10 - B11
"NEW SIRIO" Direct driving latch with brass pin - RX	4013B.21	17.3	10.2	7	B03
"NEW SIRIO" Catenaccio a comando diretto con puntale in ottone - SX	4011B.22	19	9.5	6	B01 - B07 - B08 - B10 - B11
"NEW SIRIO" Direct driving latch with brass pin - LX	4013B.22	17.3	10.2	7	B03



CATENACCIO A LEVA AD APPOGGIO

Catenaccio a leva | Lever bolt
Verrou a levier | Pasador de leva

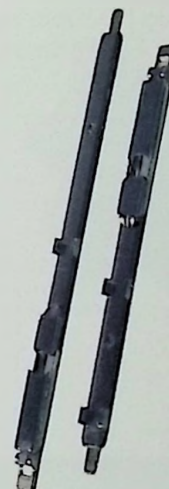


Catenacci in zama;
viti TSP CR 3.5X25
autoforanti.

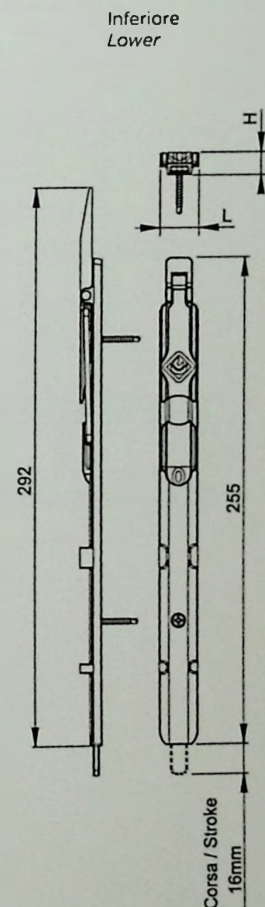
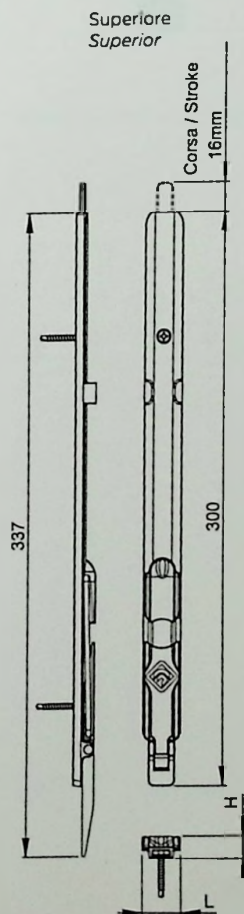
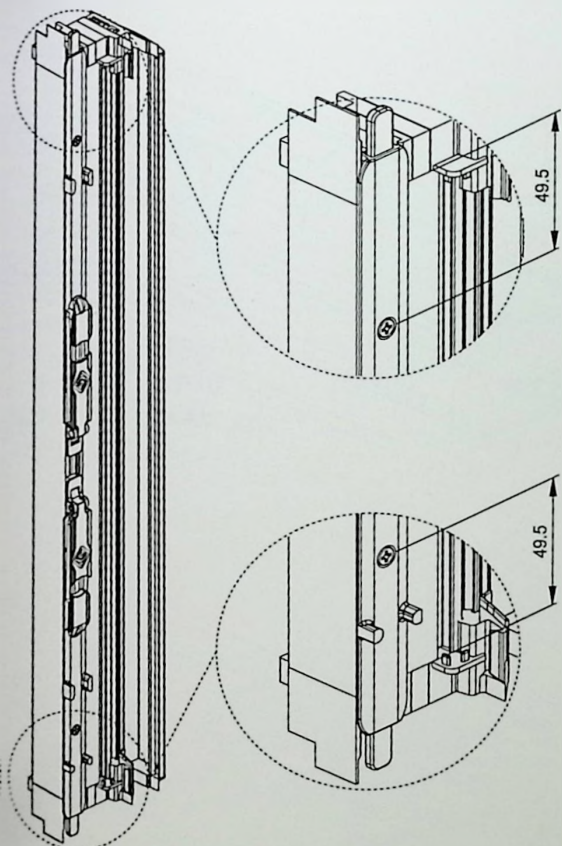
Zamac padlocks - SP
CR 3.5X25 self-
drilling screws

Verrous en zamak
vis TSP CR 3.5X25
autoforeuses.

Pasaderos de
zamac tornillos
TSP CR 3.5X25
autoperforantes.



ART.	3520.34			
Imballo Package Conditionnement Embalaje	5 Cp			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4



ART.	L	H	NODO SECTION
3520.34	20	11,5	B01 - B02 - B03 - B07 - B08



Abbinabile a AR 20
Combinable with AR 20

INCONTRO DOPPIO



Incontro doppio | Double rod junction
Gache double | Encuentro pletina doble



Incontro in zama;
grani in acciaio inox.



Zamak junction :
setscrew pin in
stainless steel.



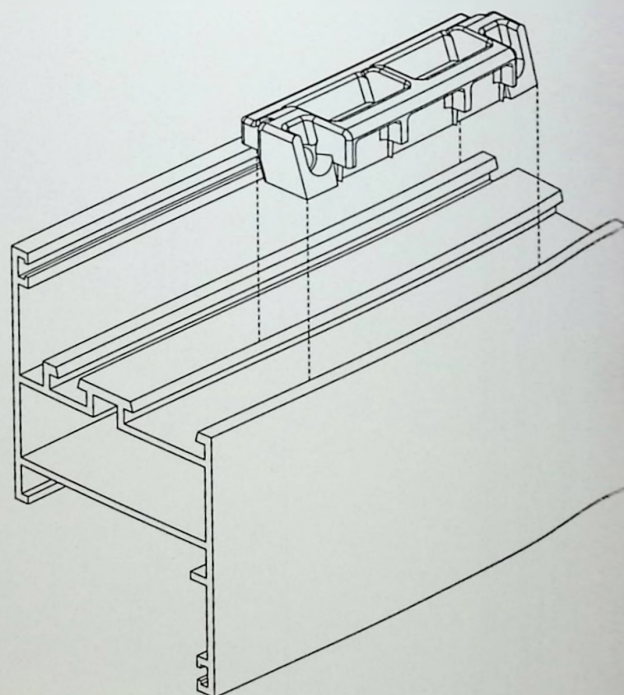
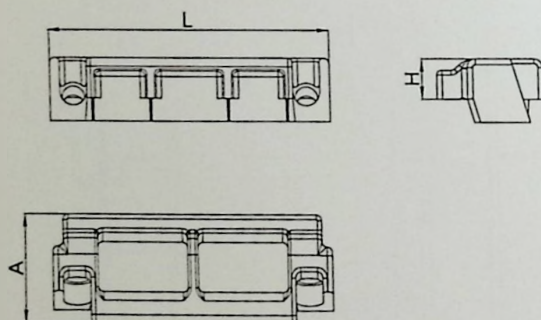
Gâche en zamak;
grain en acier inox.



Encuentro en zama;
prisioneros en acero
inoxidable.

ART.	4206			
Imballo Package Conditionnement Embalaje	100 Pz			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4

Art. 4206



ART.	L	A	H	NODO SECTION
4206	54	19	7	A01 - A02 - A05 - A06 - A20 - A21 - A22 - B01 - B02 - B03

INCONTRO REGOLABILE

Incontro regolabile | Adjustable keeper
Gâche réglable | Cerradero regulable

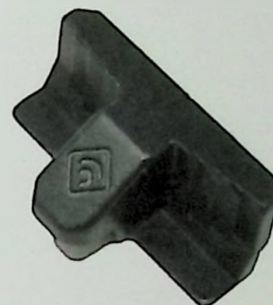


Incontro in zama;
Goujon M5x12
in acciaio inox.
Regolabile fino a
+1,5 mm.

Zamak alloy;
set screws M5x12
in stainless steel.
Adjustable +1,5 mm.

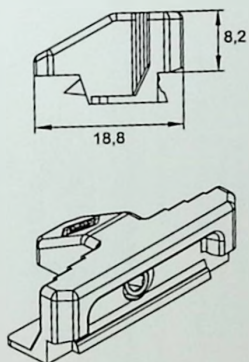
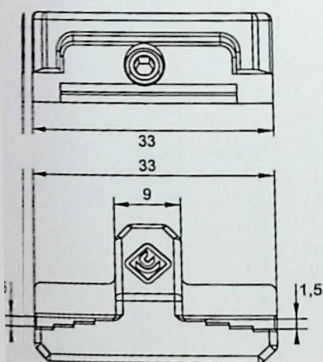
Gâche en zamak;
Goujon M5x12 en
acier inox. réglable
+1,5 mm.

Cerradero de zamak;
tornillo prisionero
M5x12 de acero
inoxidable. Regulable
+1,5 mm.

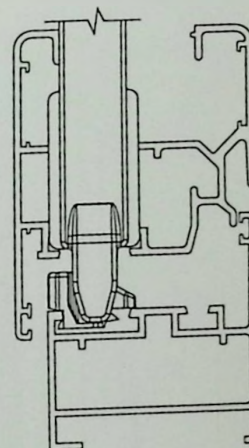
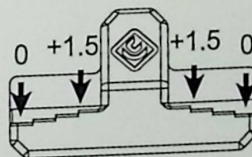


ART.	4208			
Imballo Package Conditionnement Embalaje	100 Pz			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4

Art. 4208



REGOLAZIONI | ADJUSTEMENT

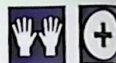


ART.	NODO SECTION
4208	A01 - A02 - A03 - A05 - A06 - A08 - A20 - A21 - A22 - A23 - B01 - B03 - B04

TEX 8

Catenaccio a leva per porte

Catenaccio a leva per porte | Lever bolt for doors
Verrou a levier pour portes | Pasador de leva para puertas



Corpo principale in zama o alluminio estruso; leva di manovra in zama cromata; bloccetto terminale in zama; perno di chiusura e viti autofilettanti in acciaio inox.



Main body in extruded zamak or aluminum; chromed zamak control lever; zamak end block; stainless steel locking pin and self-tapping screws.



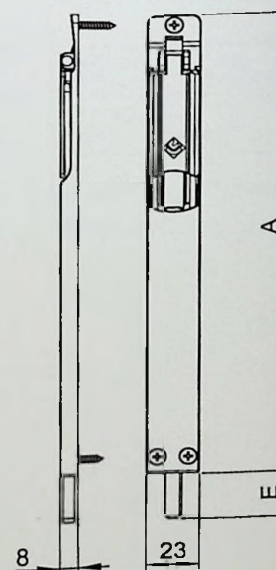
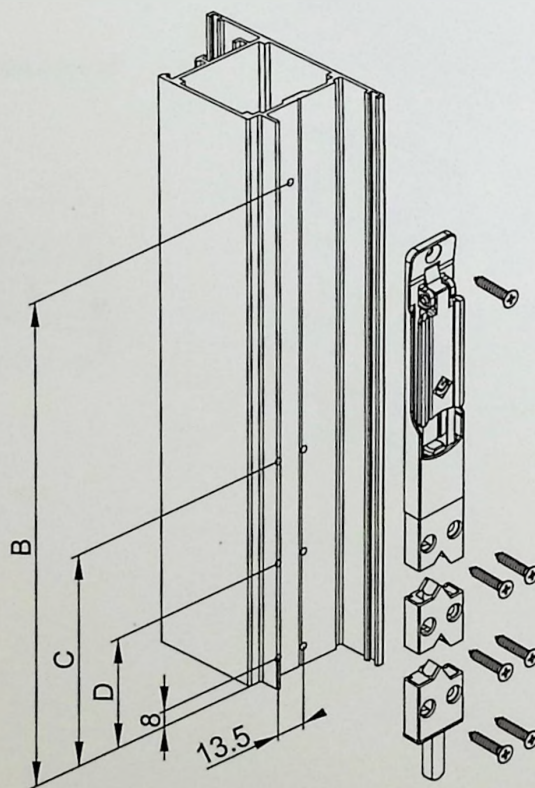
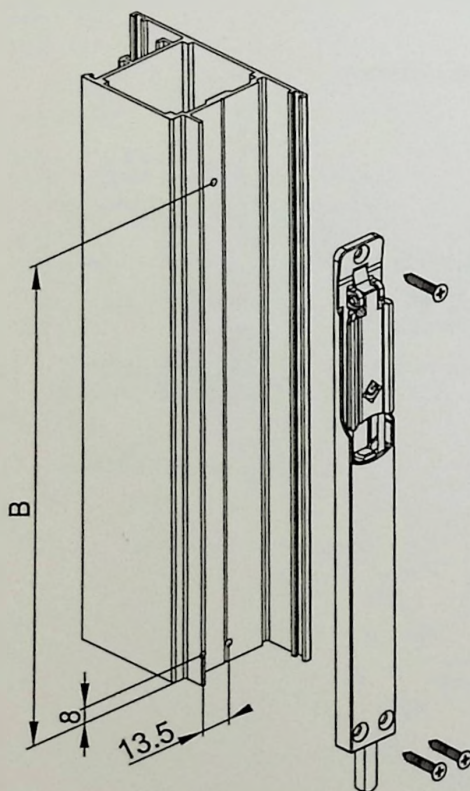
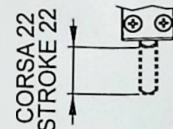
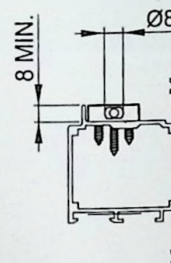
Corps principal en zamak ou en aluminium extrudé; levier de manœuvre en zamak chromée; bloc embout de tringle en zamak; pion de fermeture et vis autotaraudeuses en acier inox.



Cuerpo principal de zamac o aluminio extruido; leva de maniobra de zamac cromado; bloque terminal de zamac pernio de cierre y tornillos autorroscantes de acero inox.

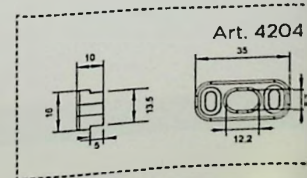


ART.	4501.50 4504.50				4501.8 4502.8 4503.8 4504.8				4204			
Imballo Package Conditionnement Embalaje	20 PZ				10 PZ				100 PZ			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4	1	2	3	4



ART.	A	B	C	D	E
4504.8	140	135	-	-	22
4504.50	140	135	-	-	34
4501.8	220	215	-	-	22

ART.	A	B	C	D	E
4501.50	220	215	-	-	34
4502.8	450	445	318	166	22
4503.8	650	645	518	266	22

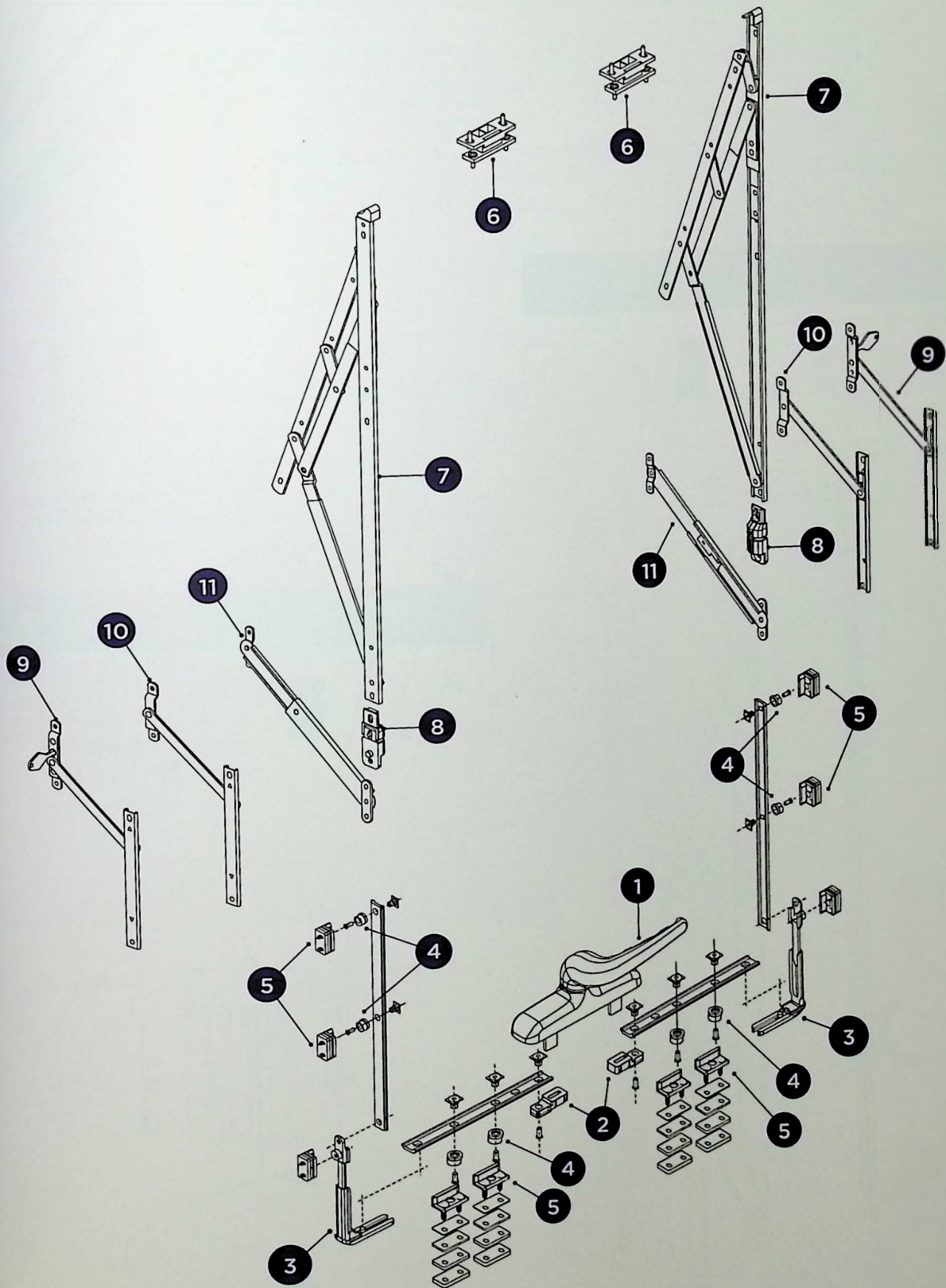


NOTE / NOTES

Blank lined paper for notes.

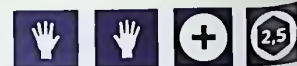


EMPIRE



EMPIRE

Cerniere a compasso per facciata continua



Cerniere a compasso per facciata continua | Stay hinge for curtain wall
wall | Compas pour murs-rideaux | Compases para muro cortina



Cerniere in acciaio inox AISI 304 con pattino di frizionamento rivestito in nylon autolubrificante, regolatore di posizionamento in zama.



Hinge in AISI 304 stainless steel with friction shoe covered in self-lubricating nylon, zamak position regulator.



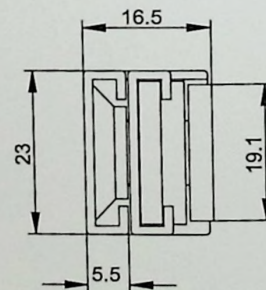
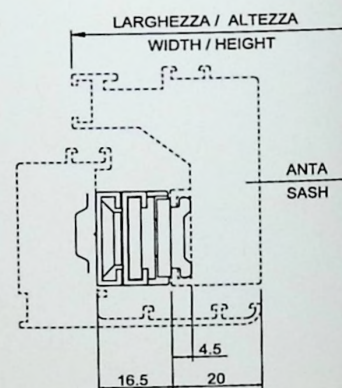
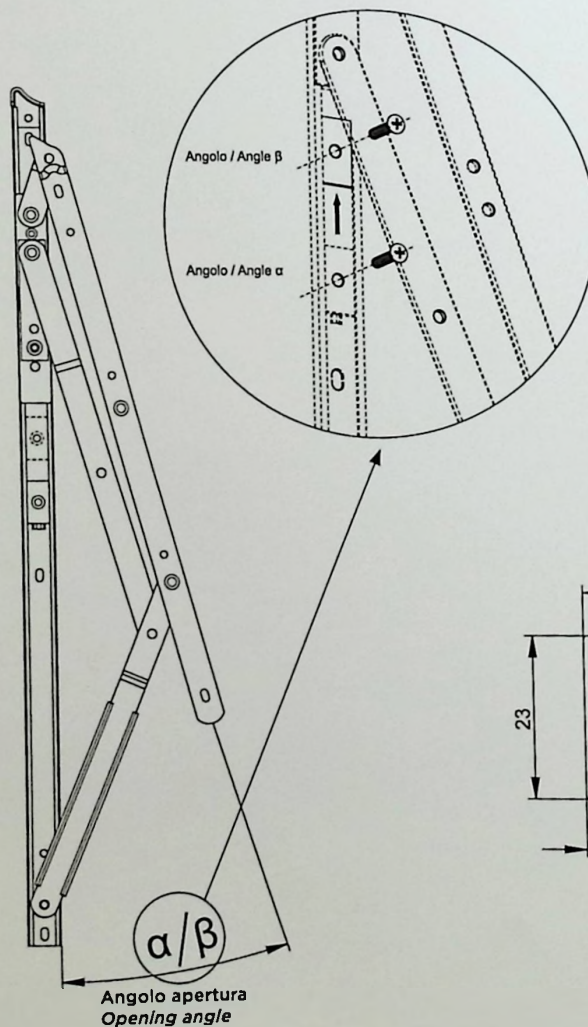
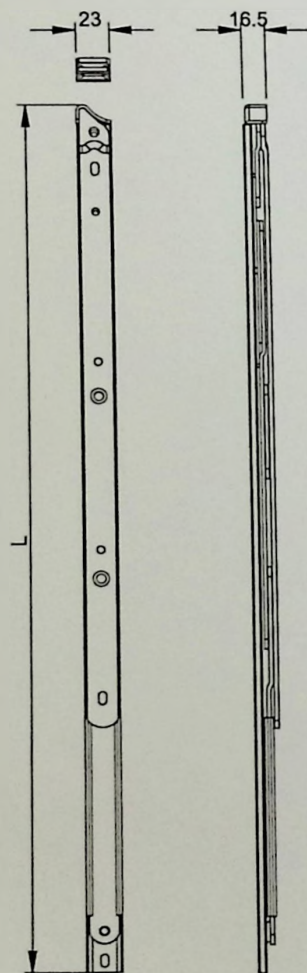
Charnières en acier inox AISI 304 avec patin de friction revêtu en nylon autolubrifiant, régulateur de position en zamak.



Bisagras de acero inox AISI 304 con cojinete de fricción revestido en nylon autolubricante, regulador de posicionamiento de zamac.



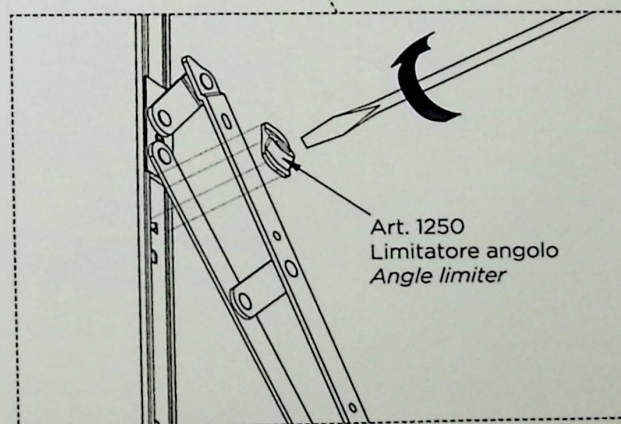
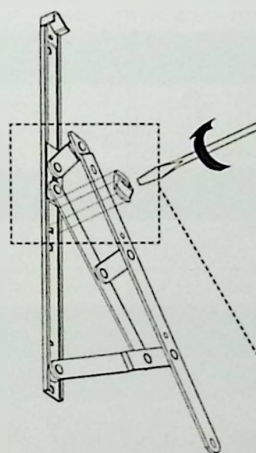
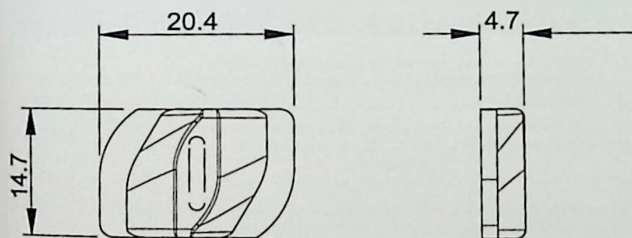
ART.	1206.XX					
Imballo Package Conditionnement Embalaje	5 Cp					
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	5	6



SELEZIONE DEL COMPASSO IN FUNZIONE DELLE DIMENSIONI DELLA FACCIATA
 STAY HINGE SELECTION FOR FACADE DIMENSION

ART.	L		ALTEZZA ANTA (MM) HEIGHT SASH (MM)	LARGHEZZA ANTA (MM) WIDTH SASH (MM)	ANGOLI DI APERTURA OPENING ANGLE			PORTATA LOAD CAPACITY
	(INCH)	(MM)	MIN MAX	MAX				
1206.28	28"	713	1800 2000	2000	α	20°	default	140
					β	10°	screw	148
1206.24	24"	599.5	1600 1800	1800	α	25°	default	120
					β	20°	screw	130
1206.22	22"	555.5	1600 1800	1800	α	30°	default	110
					β	20°	screw	125
1206.20	20"	509.5	1400 1600	1600	α	30°	default	100
					β	20°	screw	120
1206.18	18"	455.5	1200 1400	1500	α	35°	default	75
					β	25°	screw	105
1206.16	16"	410.5	1000 1200	1200	α	35°	default	65
					β	25°	screw	95
1206.14	14"	349.5	800 1000	1200	α	40°	default	50
					β	30°	screw	72
1206.12	12"	311	600 800	1200	α	40°	default	45
					β	30°	screw	65
1206.10	10"	260.5	450 600	1200	α	40°	default	35
					β	35°	screw	40

ART.	1250					
Imballo Package Conditionnement Embalaje	1 Cp					
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	5	6

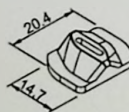


VARIAZIONE DELLA PORTATA IN FUNZIONE DELL'ANGOLO DI APERTURA, CON E SENZA LIMITATORI
 STAY HINGE LOAD CAPACITY WITH AND WITHOUT LIMITERS

Angolo di apertura Opening Angle	3°	8°	10°	15°	20°		
1206.28	Load 165 Kg	Load 155 Kg	Load 148 Kg	Load 143 Kg	Load 140 Kg		
					α		
Angolo di apertura Opening Angle	5°	10°	15°	20°	25°		
1206.24	Load 150 Kg	Load 145 Kg	Load 138 Kg	Load 130 Kg	Load 120 Kg		
				β	α		
Angolo di apertura Opening Angle	5°	10°	15°	20°	25°	30°	
1206.22	Load 145 Kg	Load 139 Kg	Load 132 Kg	Load 125 Kg	Load 118 Kg	Load 110 Kg	
				β		α	
Angolo di apertura Opening Angle	6°	10°	15°	20°	25°	30°	
1206.20	Load 140 Kg	Load 135 Kg	Load 128 Kg	Load 120 Kg	111 Kg	Load 100 Kg	
				β		α	
Angolo di apertura Opening Angle	7°	10°	15°	20°	25°	30°	35°
1206.18	Load 130 Kg	Load 128 Kg	Load 123 Kg	Load 116 Kg	Load 105 Kg	Load 91 Kg	Load 75 Kg
					β		α
Angolo di apertura Opening Angle	8°	15°	20°	25°	30°	35°	
1206.16	Load 115 Kg	Load 111 Kg	Load 105 Kg	Load 95 Kg	Load 82 Kg	Load 65 Kg	
				β		α	
Angolo di apertura Opening Angle	10°	15°	20°	25°	30°	35°	40°
1206.14	Load 95 Kg	Load 92 Kg	Load 87 Kg	Load 80 Kg	Load 72 Kg	Load 62 Kg	Load 50 Kg
					β		α
Angolo di apertura Opening Angle	10°	15°	20°	25°	30°	35°	40°
1206.12	Load 80 Kg	Load 79 Kg	Load 77 Kg	Load 72 Kg	Load 65 Kg	Load 56 Kg	Load 45 Kg
					β		α
Angolo di apertura Opening Angle	15°	20°	25°	30°	35°	40°	
1206.10	Load 55 Kg	Load 50 Kg	Load 47 Kg	Load 44 Kg	Load 40 Kg	Load 35 Kg	
					β	α	

 Con braccio limitatore
With limiter arm

 Con 1250
With 1250



α Apertura massima
Max opening

β Apertura limitata con vite
Limited opening with screw



ITALIA CREMONESI

Cremonesi * Cremone bolts
Cremones * Cremonas



Cassa, cremagliera, alluminio resinoso fuso; cremagliera, pignone e copertura in zamak zincato; guida e rondella di frizione in delrin; viti in acciaio zincato; viti di bloccaggio della cremone su profilo in acciaio inox.



Case and handle in die-cast aluminium; rack, pinion and cover in galvanized zamak; Delrin guide and friction washer; galvanized steel screws; screws for locking cremone bolts on profile in stainless steel.



Caisse et poignée en aluminium moulées sous pression; crémaillères, pignon et couvre-caisse en zamak zingué; guide et rondelle de friction en delrin; vis en acier zingué; vis de blocage de la cremone sur profilé en acier inox.

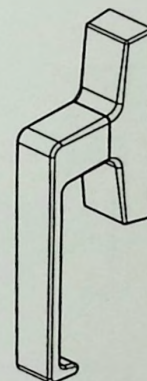
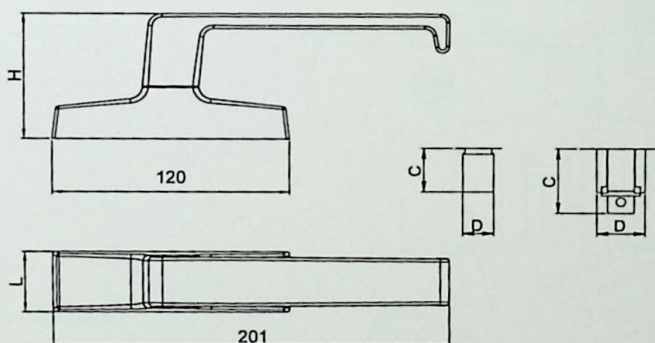
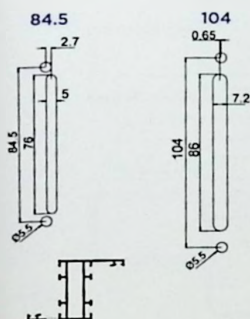


Caja y mango de aluminio de fundición; cremalleras, piñón y cobertura de caja de zamak galvanizado; guía y arandela de fricción de delrin; tornillos de acero galvanizado; tornillos de bloqueo de la cremone sobre perfil de acero inox.



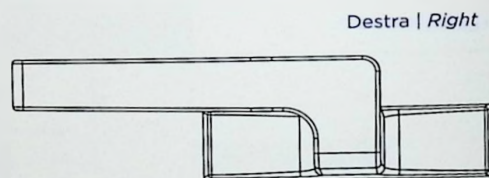
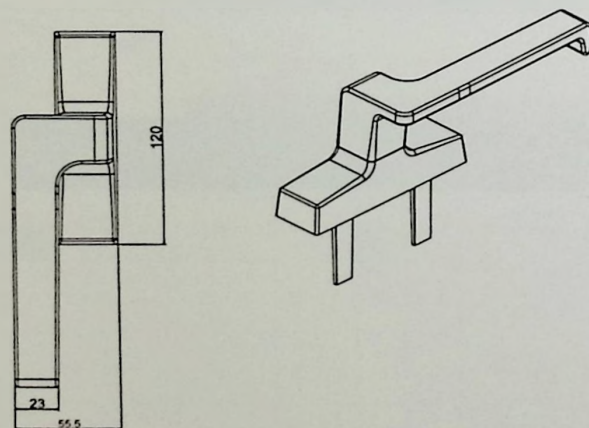
ART.	All			
Imballaggio Conditionnement Embalaje	5 PZ			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4

LAVORAZIONI MACHINING



	DESCRIZIONE DESCRIPTION	ART.	TIPO DI CURSORE SLIDER TYPE	L	H	C	D	CORSA STROKE	LAVORAZIONE MACHINING
	"ITALIA" Cremone con interasse 104 e 84,5mm "ITALIA" Cremone bolt with inter-axe 104 and 84.5mm	6008		32.5	68	21	14	17	84.5 - 104
	"ITALIA" Cremone per anta ribalta con anti falsa manovra sulla cremone "ITALIA" Cremone bolt for Tilt&Turn with anti-false manoeuvre on the cremone bolt	6018		32.5	68	31	22	17 + 17	104
	"ITALIA" Cremone per anta ribalta con anti falsa manovra superiore "ITALIA" Cremone bolt for Tilt&Turn with upper anti-false manoeuvre	6018.21		32.5	68	21	14	17 + 17	84.5 - 104
	"ITALIA" Cremone con cilindro, interasse 104 e 84,5mm "ITALIA" Cremone bolt with key, inter-axe 104 and 84.5 mm	6037		32.5	68	21	14	17	84.5 - 104
	"ITALIA" Cremone con cilindro, per anta ribalta con anti falsa manovra sulla cremone "ITALIA" Cremone bolt with key and anti-false manoeuvre on the cremone bolt	6038		32.5	68	31	22	17 + 17	104
	"ITALIA" Cremone con cilindro, per anta ribalta manovra logica, interasse 104mm, apertura DX E SX "ITALIA" Cremone bolt with key for Tilt before turn with anti-false manoeuvre on the cremone bolt, inter-axe 104, Right and Left opening	6038.20D 6038.20S		32.5	68	31	22	17 + 17	104
	"ITALIA" Cremone con cilindro, per anta ribalta manovra superiore logica, interasse 104mm, apertura DX E SX "ITALIA" Cremone bolt with key for Tilt before turn with upper anti-false manoeuvre, inter-axe 104, Right and Left opening	6038.25D 6038.25S		32.5	68	21	22	17 + 17	104

BREVETTATO
PATENTED

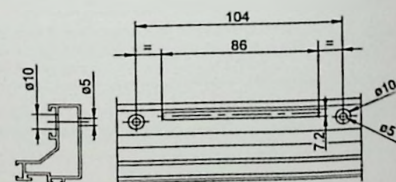


Sinistra | Left

A line drawing of the left side of a chair. It shows a rectangular seat, a curved backrest, and a rectangular armrest. The drawing is simple, using black outlines on a white background.

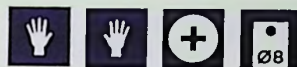
Sinistra | Left

Technical drawing of a mechanical part, likely a bracket or support, showing dimensions: 104, 86, 0.65, 7.2, and a hole diameter of 0.5.

67

EMPIRE

BLOCCHETTI FACCIATA



Blocchetto di collegamento | Connection element
Bloc de jonction | Bloqueo de unión

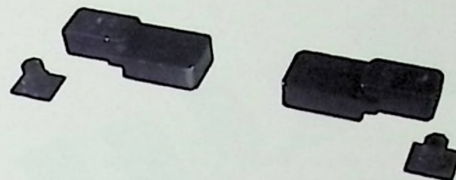


Blocchetto in acciaio;
vite TSPCR M4x10 in
acciaio inox.

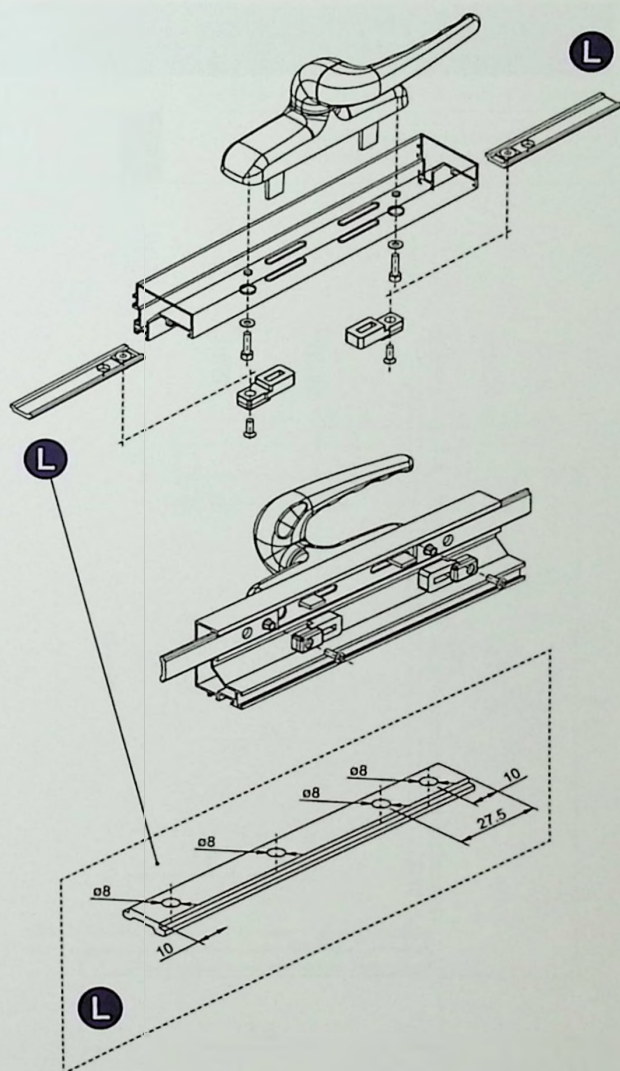
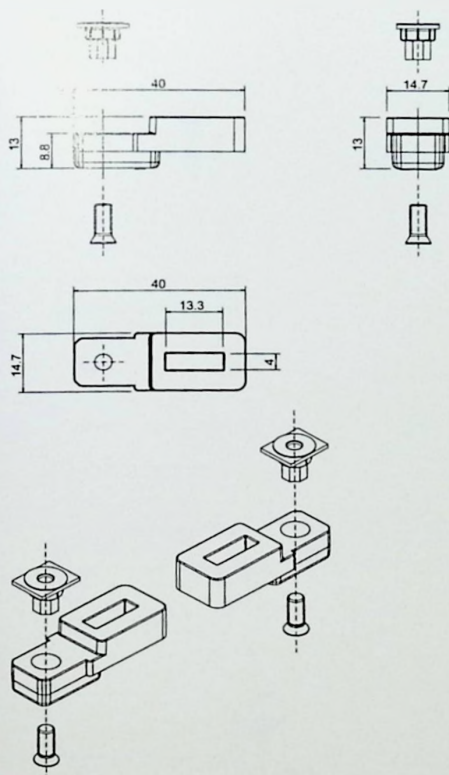
Zamak block;
stainless steel TSPCR
M4x10 screw.

Bloc en zamak; vis
TSPCR M4x10 en
acier inox.

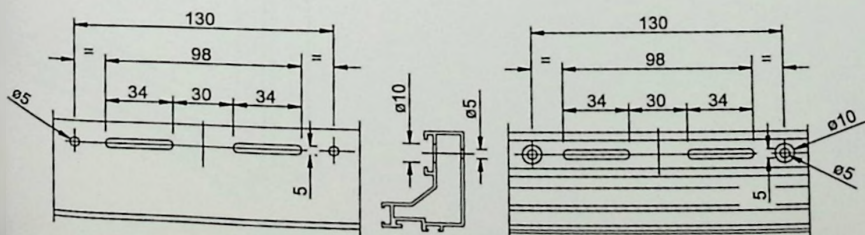
Bloqueo en zamak;
tornillo TSPCR M4x10
en acero inoxidable.



ART.	6406.1					
Imballo Package Conditionnement Embalaje	20 Cp					
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	5	6

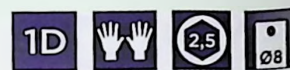


LAVORAZIONI
MACHINING



EMPIRE

RINVIO D'ANGOLO



Rinvio d'angolo | Corner return | Renvoi d'angle |
Transmisión de esquina



Corpo e astine in
zama; lamelle e perno
eccentrico in acciaio
Inox, rullino in ottone.



Body and rods in
zamak; stainless steel
reeds and eccentric
pin, roll brass.



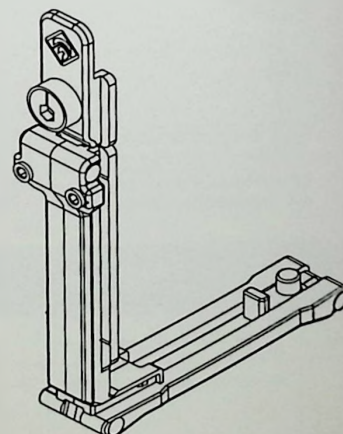
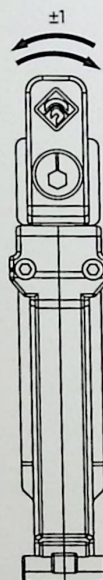
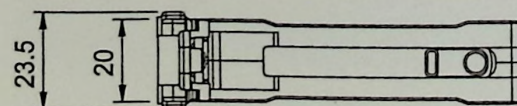
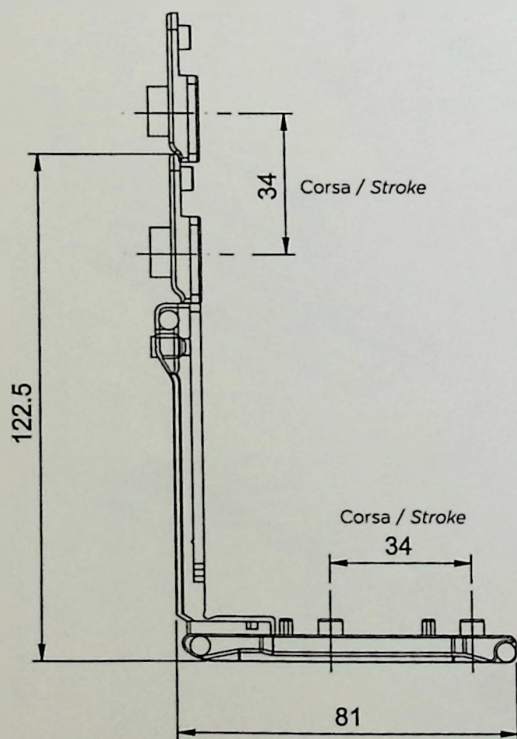
Corps et tiges en
zamak; lattes et en
acier inoxydable de
broche excentrique,
laiton rouleau.



Cuerpo y varillas de
zamak; listones y
acero inoxidable
perno excéntrico,
latón rollo.



ART.	1252.12					
Imballo Package Conditionnement Embalaje	10 Pz					
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	5	6



EMPIRE

RISCONTRI



Riscontri | Counterplate | Gâches | Cerraderos

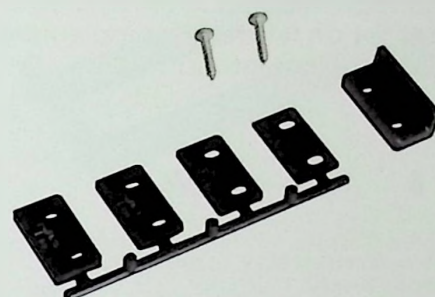


Corpo in zamak; spessore di nylon con autofilantropia TCCR Ø3.5x13 in acciaio zincato.

Body in zamak; nylon thicknesses, screws galvanized steel TCCR Ø3.5x13.

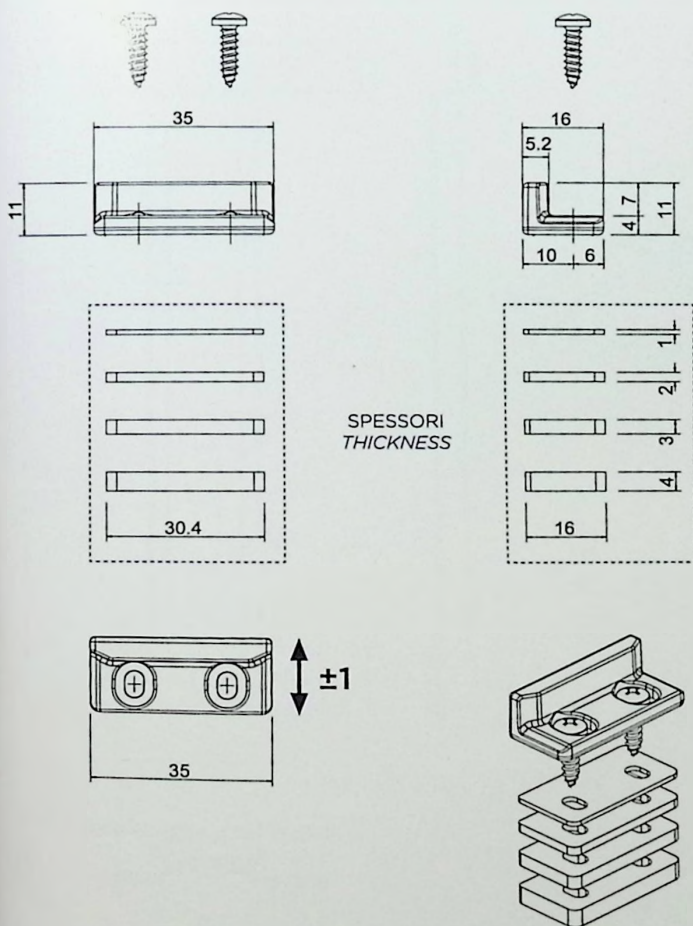
Corps en zamak; épaisseurs en nylon, acier galvanisé vis TCCR Ø3.5x13.

Cuerpo de zamak; espesore de nylon, acero galvanizado tornillos TCCR Ø3.5x13.



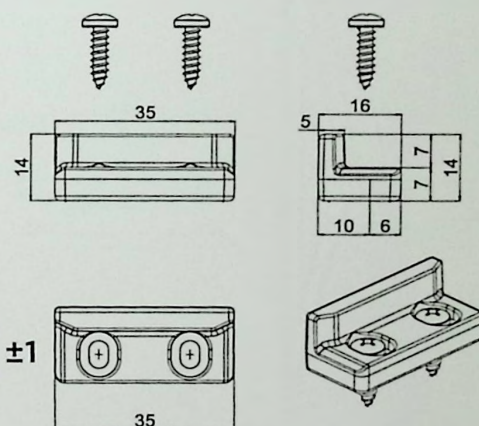
ART.	1252.18 1252.19					
Imballo Package Conditionnement Embalaje	10C Pz					
Finiture Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	5	6

Art. 1252.18

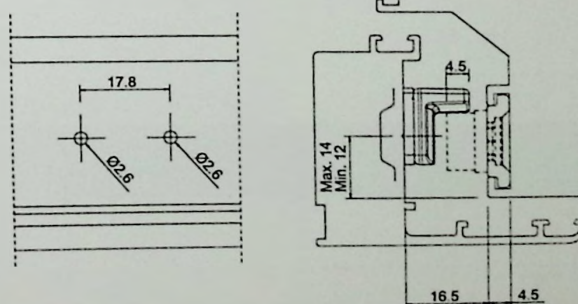


SPESSORI
THICKNESS

Art. 1252.19

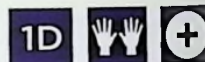


LAVORAZIONI
MACHINING

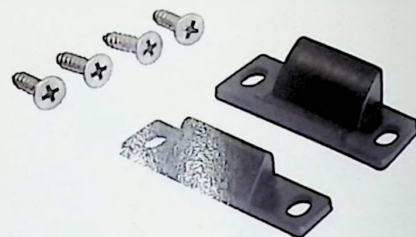


EMPIRE

ROSTRO DI CHIUSURA SUPPLEMENTARE



Rostro di chiusura supplementare | Additional third locking point |
 Crochet de fermeture supplémentaire | Punto de
 cierre suplementario



Corpo in nylon;
 viti autofilettanti in
 acciaio zincato.



Body in nylon; screws
 galvanized steel.

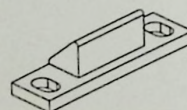
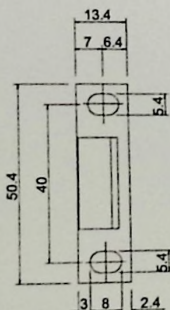
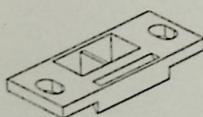
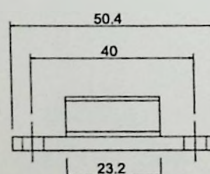
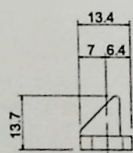
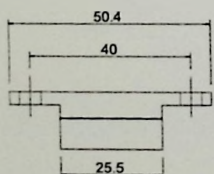
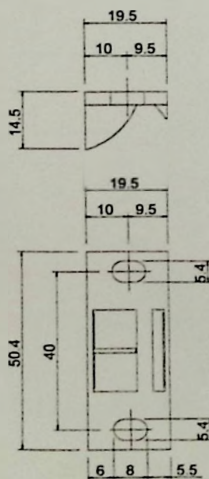
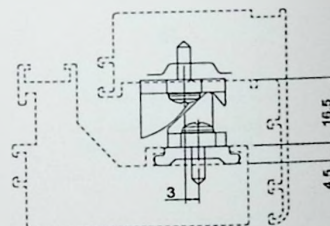
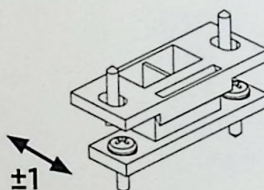
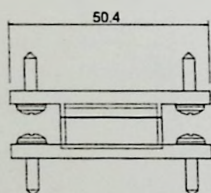
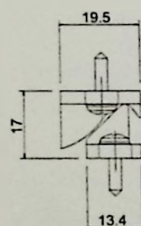


Corps en nylon; acier
 galvanisé vis.



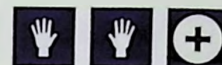
Cuerpo de nylon;
 acero galvanizado
 tornillos.

ART.	1252.8					
Imballo Package Conditionnement Embalaje	50 Pz					
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	5	6



EMPIRE

BRACCIO LIMITATORE DI APERTURA TELESCOPICO A SCATTO



Braccio limitatore telescopico a scatto | Telescopic limiter arm |
Bras télescopique limiteur d'ouverture | Compas limitador telescópica



Bracci in acciaio inox
AISI 304



AISI 304 stainless
steel arms.



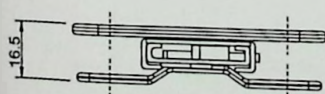
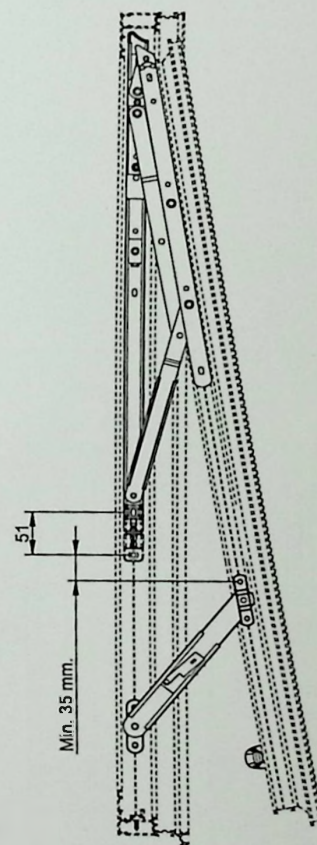
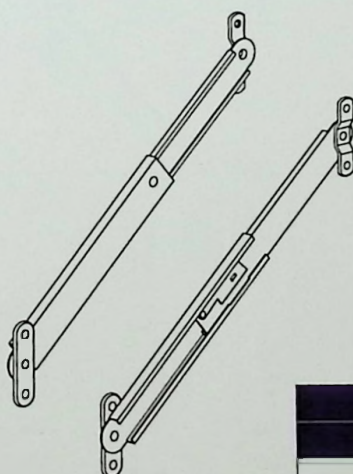
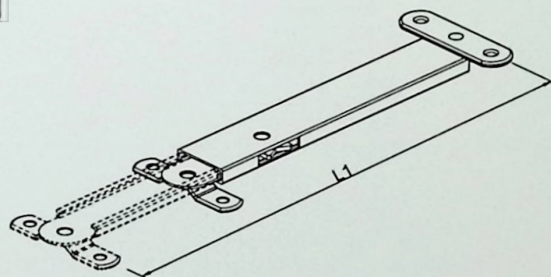
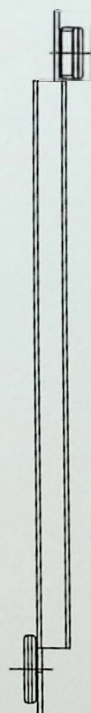
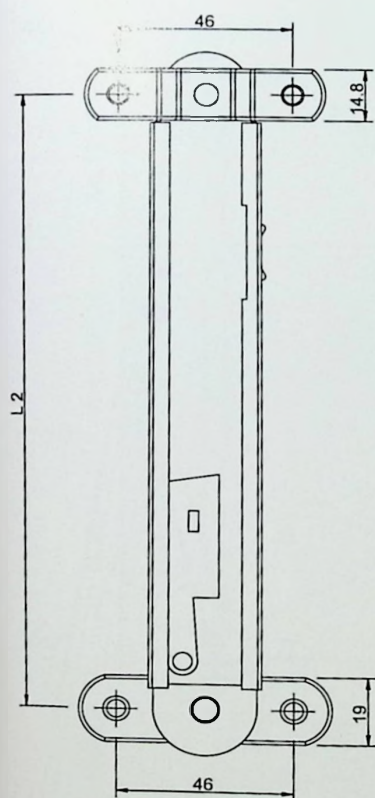
Bras en acier inox
AISI 304.



Compases de acero
inox AISI 304.



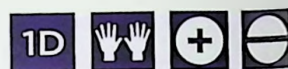
ART.	1204.8 1204.10 1204.12					
Imballaggio Conditionnement Embalaje	5 Cp					
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	5	6



ART.	L1		L2
	(INCH)	(MM)	(MM)
1204.8	8"	205	150
1204.10	10"	255	175
1204.12	12"	305	200

EMPIRE

BRACCIO LIMITATORE DI APERTURA PER COMPASSI FRIZIONATO



Braccio limitatore di apertura frizionato | Limiter for operable curtain wall stay hinges | Bras limiteur d'ouverture pour compas murs-rideaux | Compás limitador frizionato



Bracci in acciaio inox AISI 304, bloccetto limitatore di apertura in delrin.



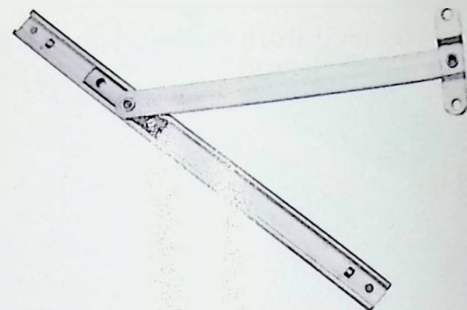
AISI 304 stainless steel arms, Delrin opening limit block.



Bras en acier inox AISI 304, bloc limiteur d'ouverture en delrin.



Compases de acero inox AISI 304, bloque limitador de apertura de delrin.



ART.	1205.3					
Imballo Package Conditionnement Embalaje	20 Cp					
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	5	6

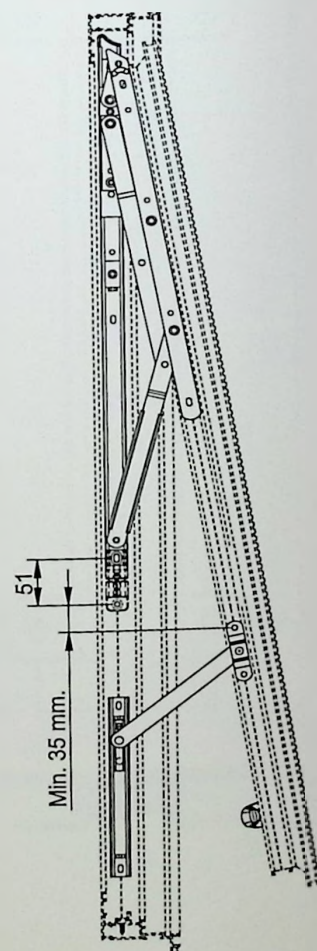
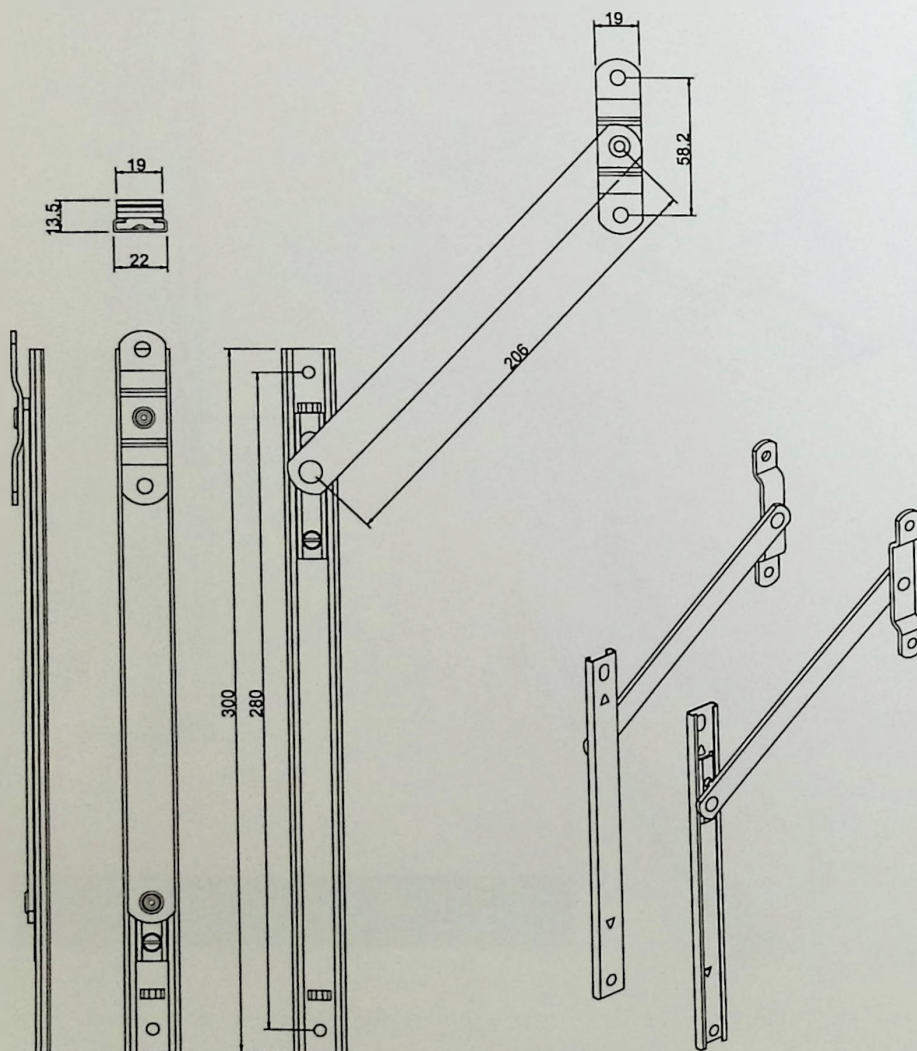
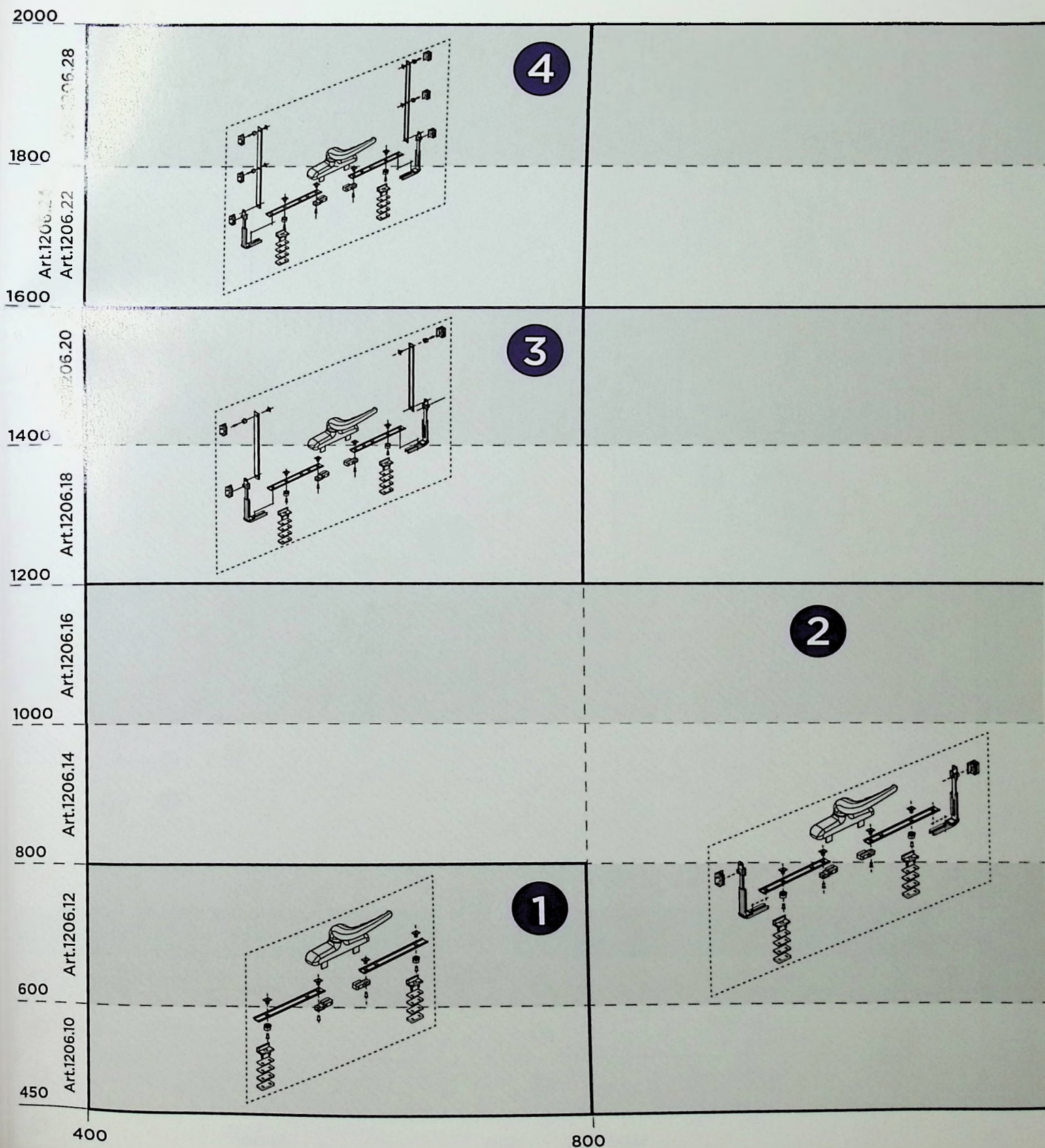
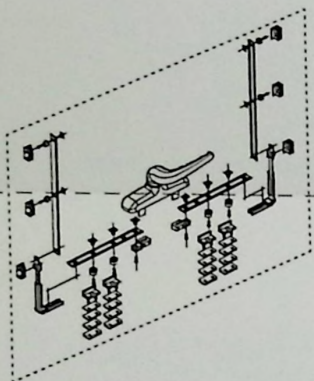


DIAGRAMMA E CONFIGURAZIONI

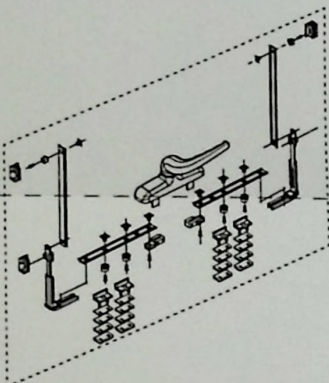
CONFIGURATION CHART



 N.D.



4



3

1200

1500

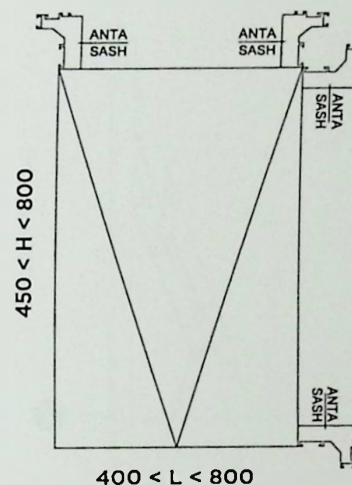
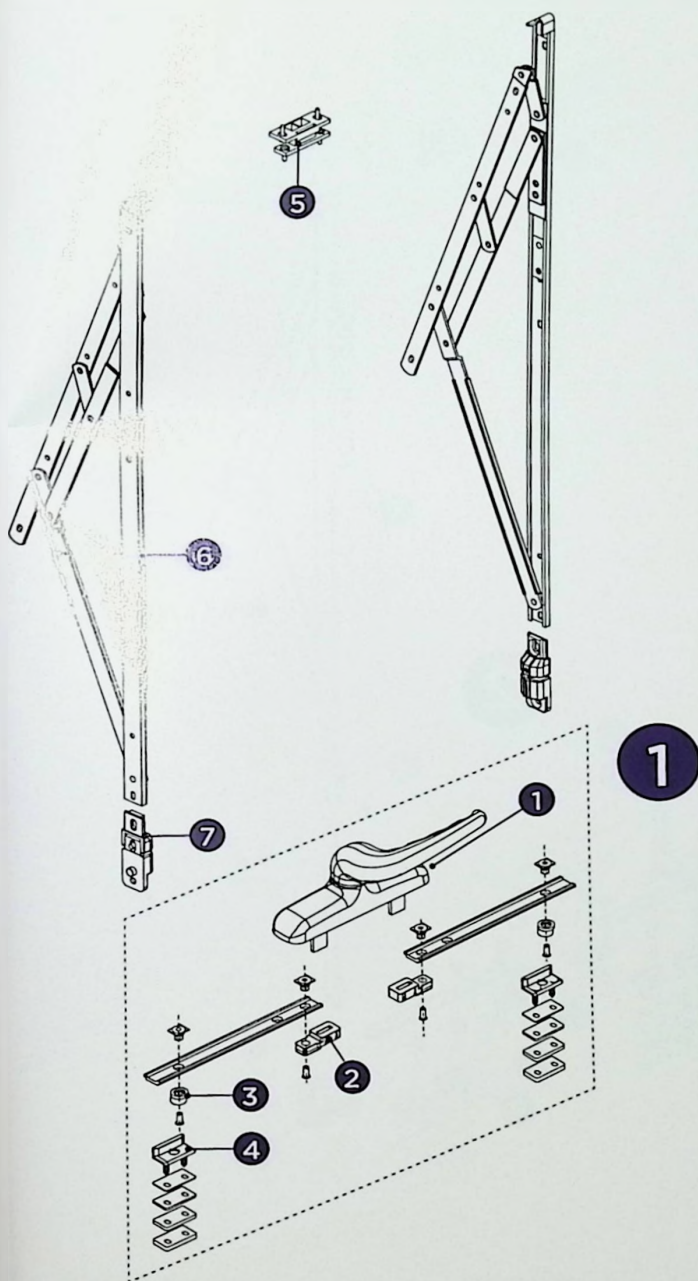
1600

1800

2000

EMPIRE - CONFIGURATION CHART

Accessori per Facciata continua, configurazione a 3 punti di chiusura
 Accessories for curtain wall, configuration for 3 locking points

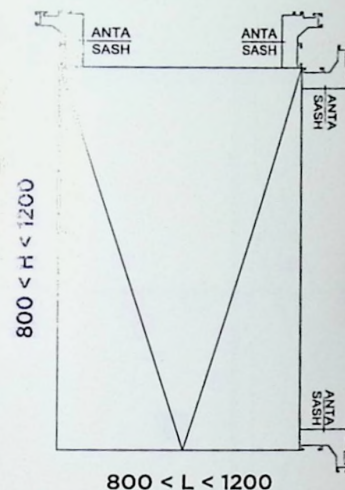
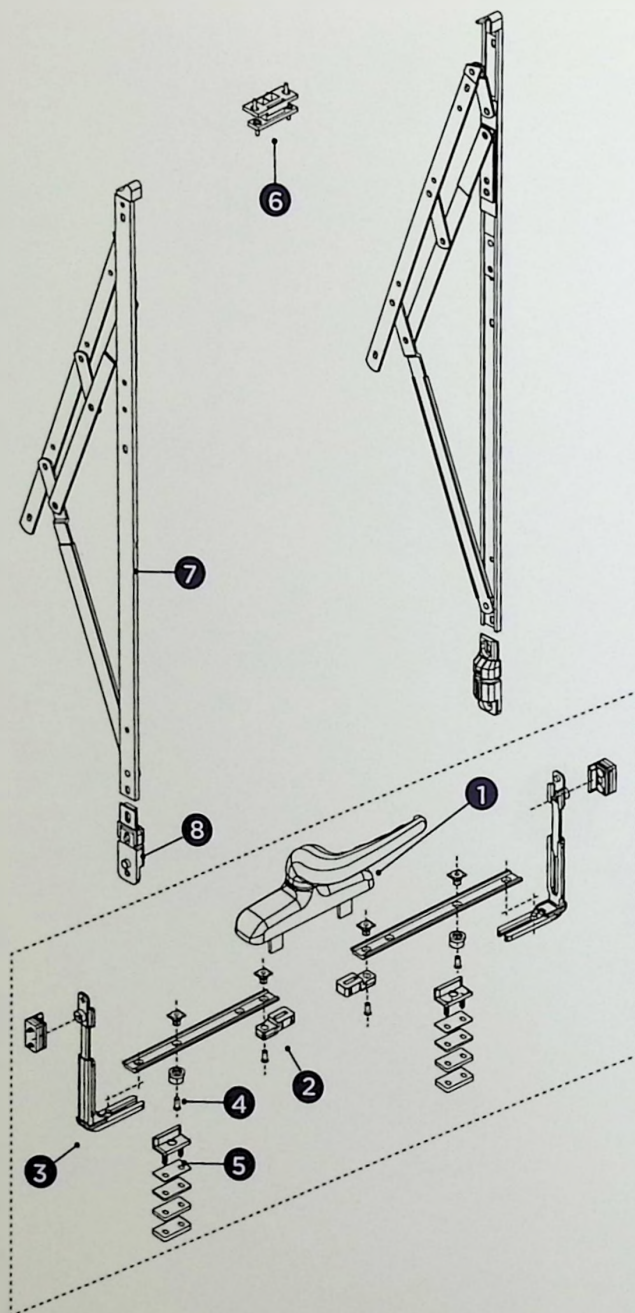


RIF.	ART.	DESCRIZIONE DESCRIPTION	Q.TA'
1	6006.X	Cremonese "Empire" con manico decentrato "Empire" cremone bolt with crank handle	1
2	6406.1	Blocchetti di collegamento astina Connection element	1 Cp
3	4246	Perni di chiusura supplementare regolabile Additional adjustable locking points	2
4	1252.18	Riscontri Counterplate	2

RIF.	ART.	DESCRIZIONE DESCRIPTION	Q.TA'
5	1252.8	Rostro di chiusura supplementare Additional third locking point	1
6	1206.10	450 < H < 600	1 Cp
	1206.12	600 < H < 800	
7	1251.1	Regolatore di posizionamento Position regulator	1 Cp

EMPIRE - CONFIGURATION CHART

Accessori per Facciata continua, configurazione a 5 punti di chiusura
 Accessories for curtain wall, configuration at 5 points of closing

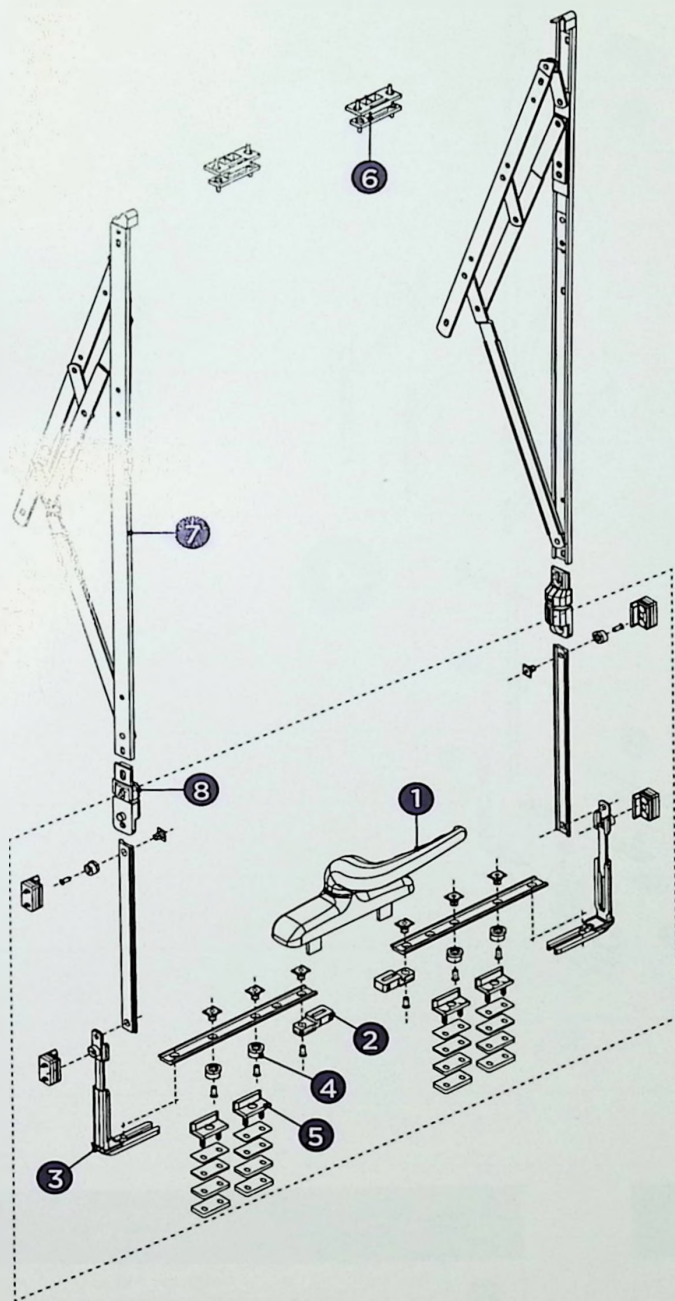


RIF.	ART.	DESCRIZIONE DESCRIPTION	Q.TA'
1	6006.X	Cremonese "Empire" con manico decentrato "Empire" cremonese bolt with crank handle	1
2	64061	Bloccetti di collegamento astina Connection element	1 Cp
3	1252.12	Rinvio d'angolo Corner return	2
4	4246	Perni di chiusura supplementare regolabile Additional adjustable locking points	2

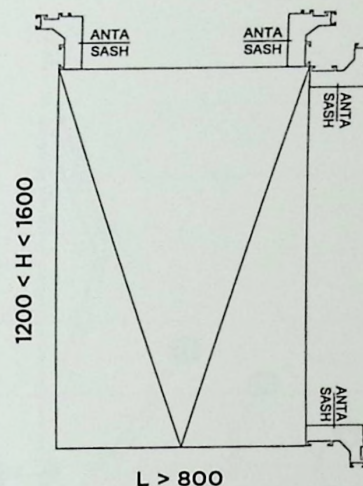
RIF.	ART.	DESCRIZIONE DESCRIPTION	Q.TA'
5	1252.18	Riscontri Counterplate	4
6	1252.8	Rostro di chiusura supplementare Additional third locking point	1
7	1206.14	800 < H < 1000	1 Cp
	1206.16	1000 < H < 1200	
8	1251.1	Regolatore di posizionamento Position regulator	1 Cp

EMPIRE - CONFIGURATION CHART

Accessori per Facciata continua, configurazione a 10 punti di chiusura
 Accessories for curtain wall, configuration at 10 points of closing



3

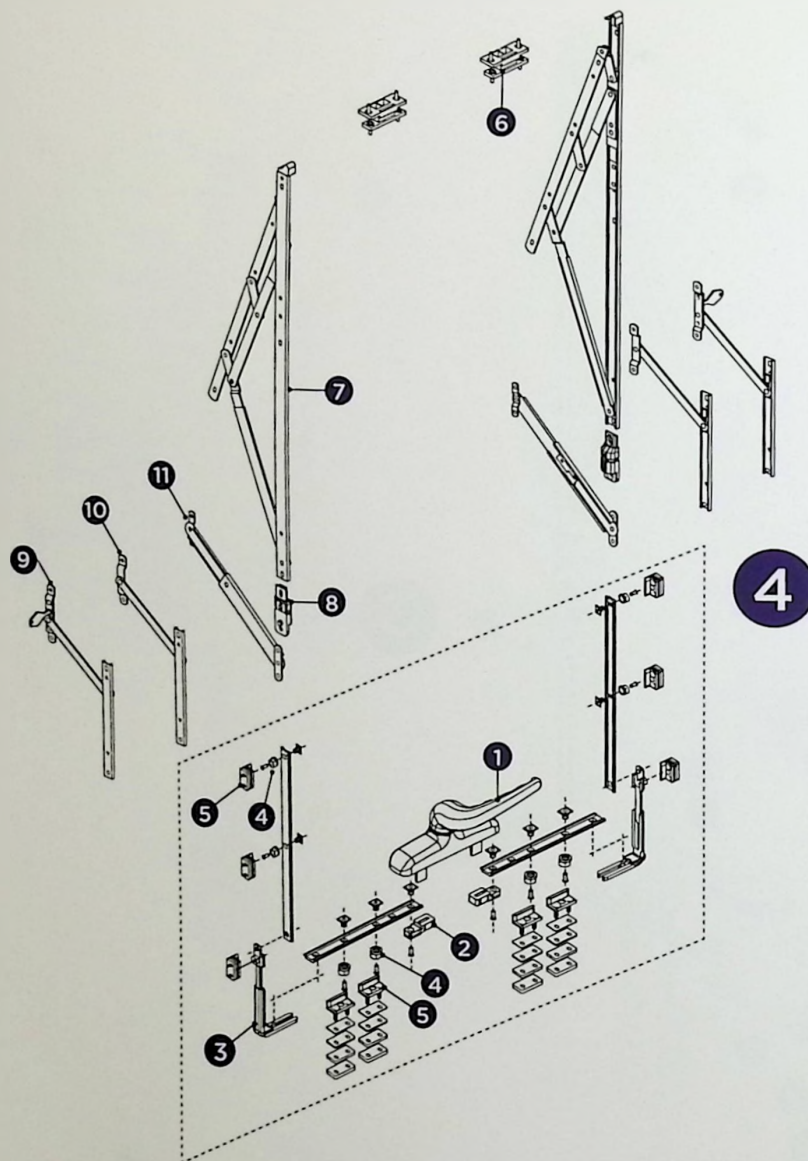


RIF.	ART.	DESCRIZIONE DESCRIPTION	Q.TA'
1	6006.X	Cremonese "Empire" con manico decentrato "Empire" cremonese bolt with crank handle	1
2	6406.1	Blocchetti di collegamento astina Connection element	1 Cp
3	1252.12	Rinvio d'angolo Corner return	2
4	4246	Perni di chiusura supplementare regolabile Closing pin extra adjustable	6

RIF.	ART.	DESCRIZIONE DESCRIPTION	Q.TA'
5	1252.18	Riscontri Counterplate	8
6	1252.8	Rostro di chiusura supplementare Additional third locking point	2
7	1206.18	1200 < H < 1400	1 Cp
	1206.20	1400 < H < 1600	
8	1251.1	Regolatore di posizionamento Position regulator	1 Cp

EMPIRE - CONFIGURATION CHART

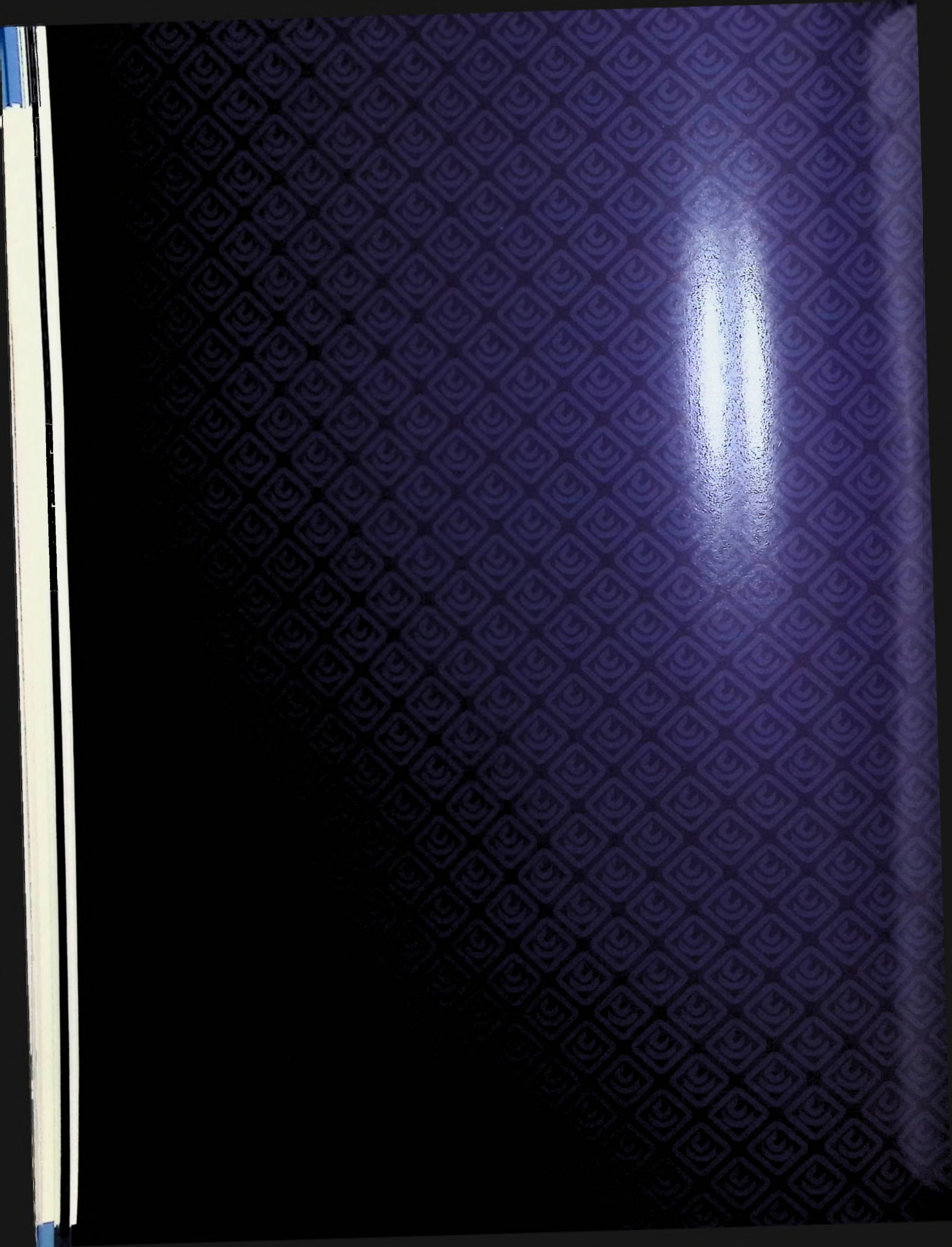
Accessori per Facciata continua, configurazione a 12 punti di chiusura
 Accessories for curtain wall, configuration at 12 points of closing

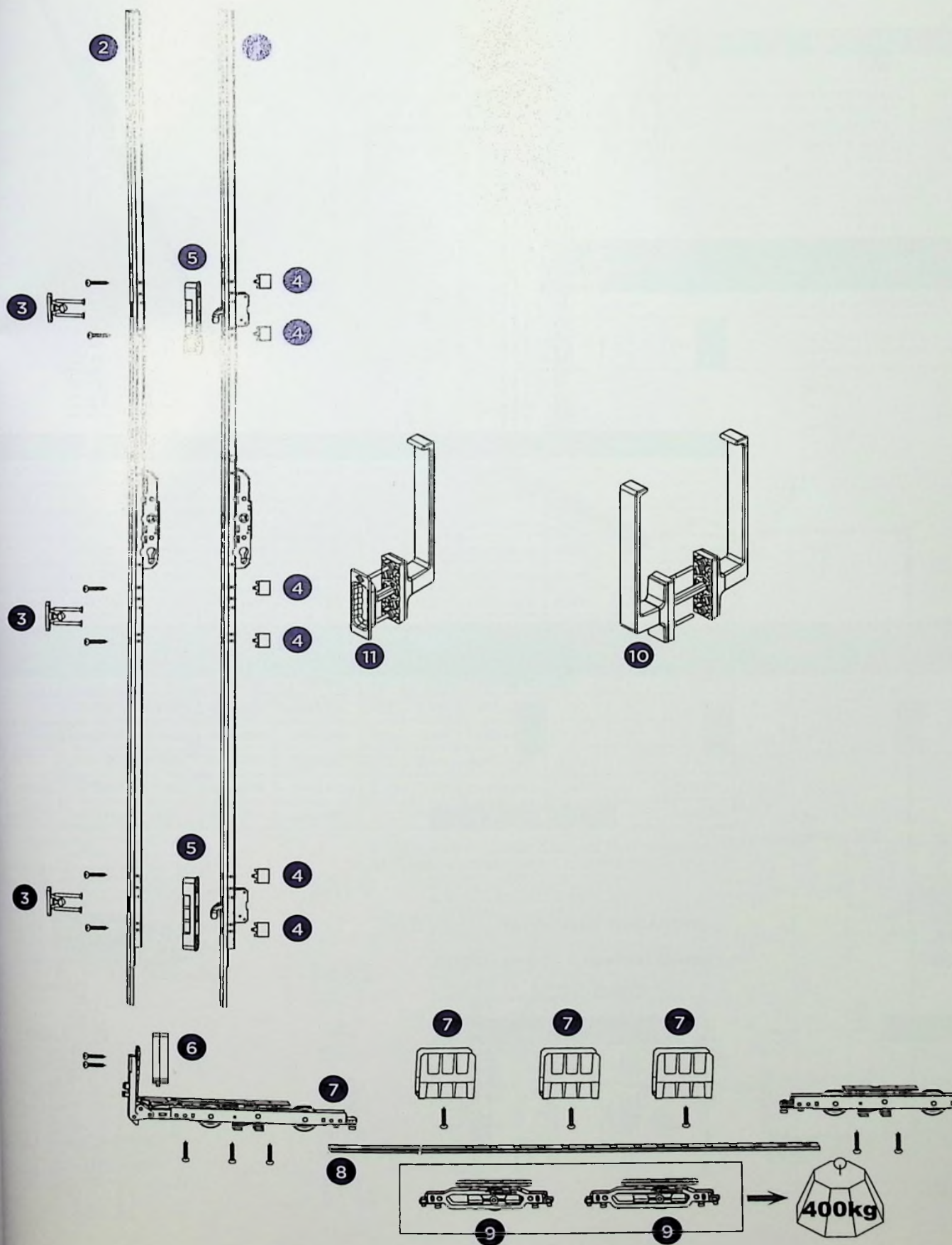


RIF.	ART.	DESCRIZIONE DESCRIPTION	Q.TA'
1	6006 X	Cremonese "Empire" con manico decentrato "Empire" cremore bolt with crank handle	1
2	64061	Blocchetti di collegamento astina Connection element	1 Cp
3	125212	Rinizio d'angolo Corner return	2
4	4246	Perni di chiusura supplementare regolabile Closing pin extra adjustable	8
5	125215	Riscontri Counterplate	10
6	1252 B	Rostro di chiusura supplementare Additional third locking point	1

RIF.	ART.	DESCRIZIONE DESCRIPTION	Q.TA'
7	1206.24	1600 < H < 1800	1 Cp
	1206.28	1800 < H < 2000	
8	1251.1	Regolatore di posizionamento Position regulator	1 Cp
9*	1203A.X	Braccio limitatore di apertura con chiave di sgancio Limiter for opening with relese key	2
10*	1205.3	Braccio limitatore frizionato Friction limiter arm	2
11*	1204.X	Braccio limitatore a scatto Friction limiter arm	2
* Scelta del braccio limitatore in funzione dell'applicazione * Selection of the limiting arm according to the application			

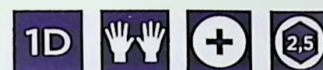
NOTE / NOTES





ASTA DI CHIUSURA

CHIUSURA PER SISTEMA AS300



Kit Cremonese | Cremone kit | Kit crénone | Kit cremona



Cremonese in alluminio estruso, asta interna, viti di fissaggio, naselli e movimentazione in acciaio.



Cremone in extruded aluminum, rod, screws, hook and movimentation in steel.



Crémone de aluminium extrudé, tringles, vis, pènes, mouvement en acier.

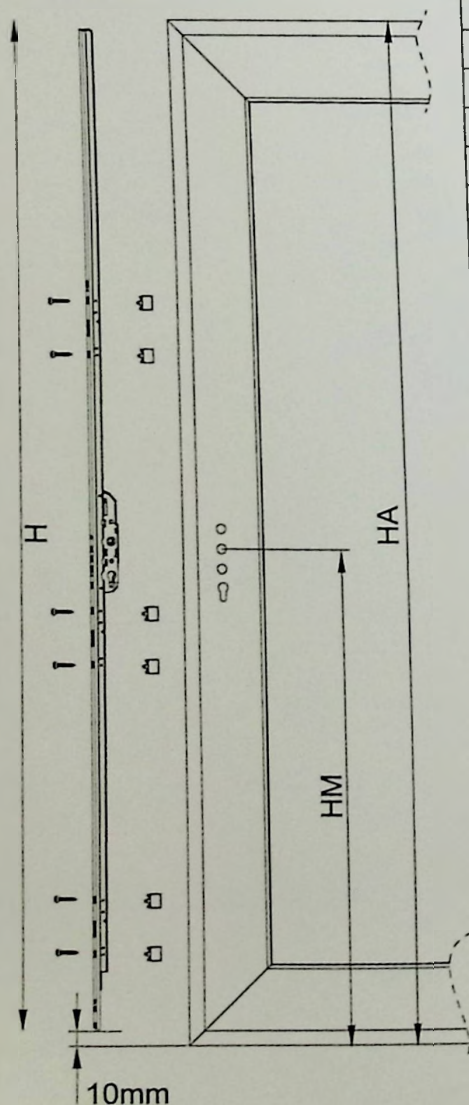


Cremona de aluminio extruido, pletinas, movimiento, tornillos, ganchos en acero.



ART.	673X.XX
Imballo Package Conditionnement Embalaje	2 Pz
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1 2 3 4 5 6

Kit cremonese
Cremone kit



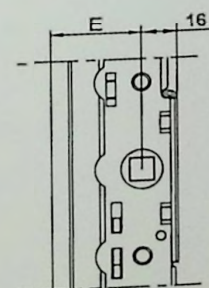
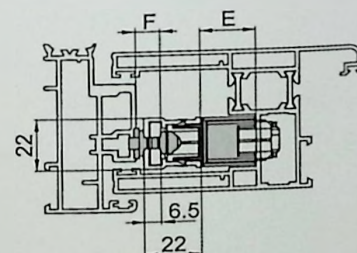
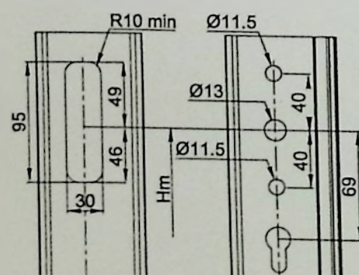
Art.	Hook*	H	HA	HM	E	H1	H2	H3	H4	H5
6731.13	2	1300	745-1360	400	37,5	195.5mm	585.5mm	-	-	-
6731.17	3	1700	1260-1760	400	37,5	195.5mm	585.5mm	1100mm	-	-
6731.21	4	2100	1660-2160	1000	37,5	195.5mm	695.5mm	1185mm	1500mm	-
6731.25	4	2500	2060-2560	1000	37,5	195.5mm	695.5mm	1185mm	1900mm	-
6731.28	4	2800	2460-2860	1000	37,5	195.5mm	695.5mm	1185mm	2300mm	-
6731.33	5	3300	2760-3360	1000	37,5	195.5mm	695.5mm	1185mm	1900mm	2700mm
6731.38	5	3800	3260-3860	1000	37,5	195.5mm	695.5mm	1185mm	2300mm	3100mm
6730.13	2	1300	745-1360	400	27,5	195.5mm	585.5mm	-	-	-
6730.17	3	1700	1260-1760	400	27,5	195.5mm	585.5mm	1100mm	-	-
6730.21	4	2100	1660-2160	1000	27,5	195.5mm	695.5mm	1185mm	1500mm	-
6730.25	4	2500	2060-2560	1000	27,5	195.5mm	695.5mm	1185mm	1900mm	-
6730.28	4	2800	2460-2860	1000	27,5	195.5mm	695.5mm	1185mm	2300mm	-
6730.33	5	3300	2760-3360	1000	27,5	195.5mm	695.5mm	1185mm	1900mm	2700mm
6730.38	5	3800	3260-3860	1000	27,5	195.5mm	695.5mm	1185mm	2300mm	3100mm

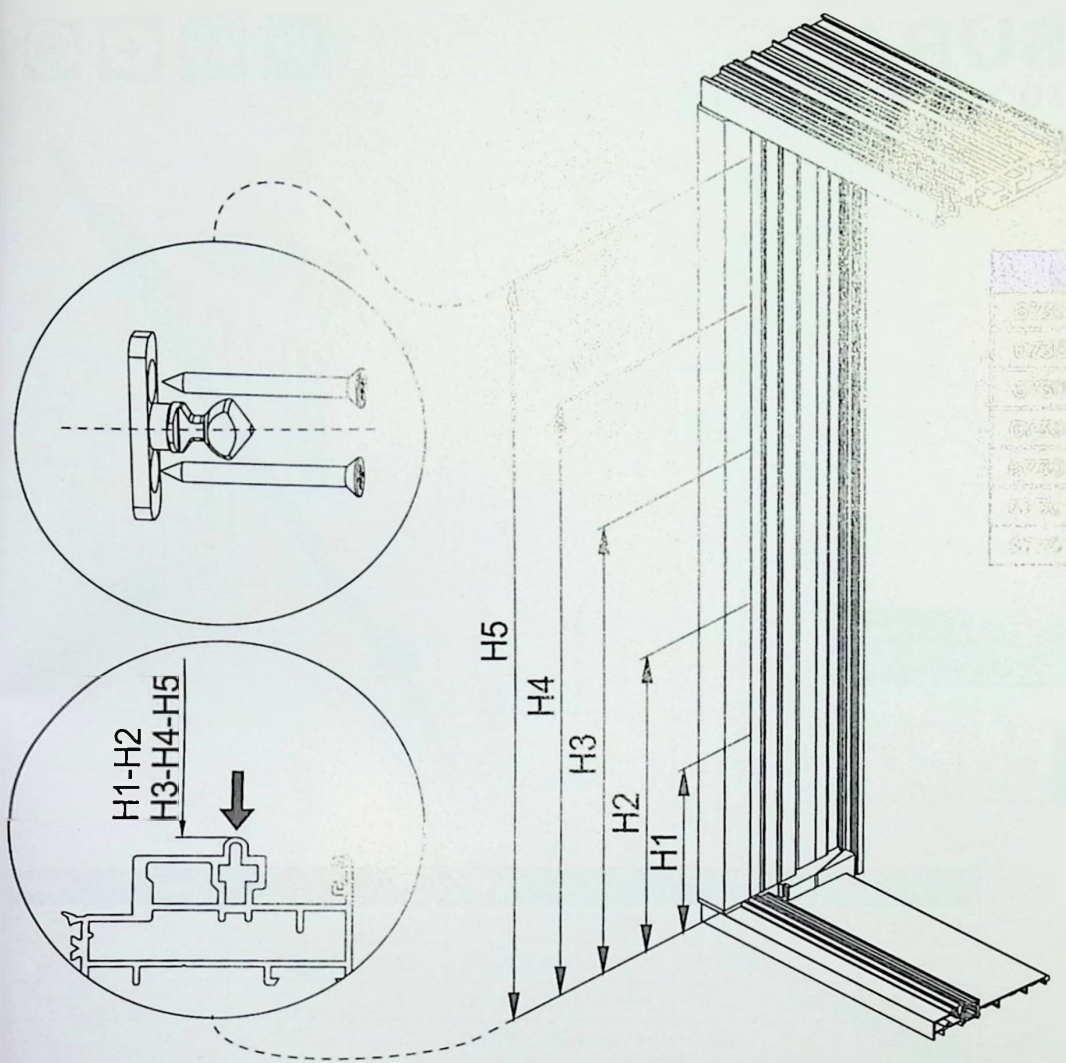
*Abbinare ad ogni gancio 2 spessori asta A6736.XX

*Cobine each hook with 2 cremone thikness A6736.XX

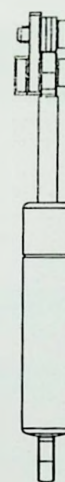
LAVORAZIONI | MACHINING

Esterno | External Interno | Internal





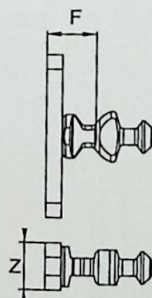
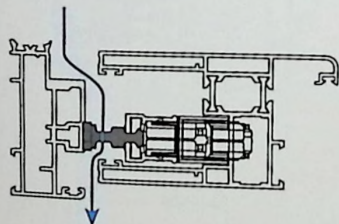
Art.	H1	H2	H3	H4	H5
6734.11-6734.17	195.5	585.5	-	-	-
6736.20-6736.36	195.5	585.5	1100	-	-
6737.19-6737.29	195.5	695.5	1185	1500	-
6737.30-6737.32	195.5	695.5	1185	1900	-
6737.33-6737.35	195.5	695.5	1185	2300	-
6737.36-6737.38	195.5	695.5	1185	1900	2700
6737.39-6737.41	195.5	695.5	1185	1185	3100



6737
Ammortizzatore serratura
Cremone damper

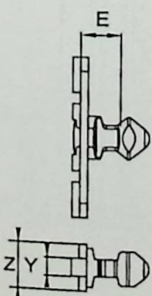
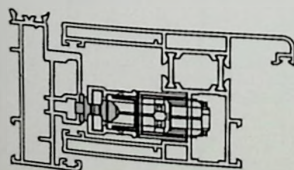
ART.	6734.XX						6736.XX						6737					
Imballo Package Conditionnement Embalaje	20 Pz						20 Pz						1 Pz					
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6

6734.1X
Chiusure con microventilazione
Hook with microventilation



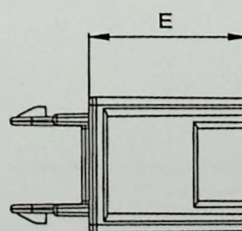
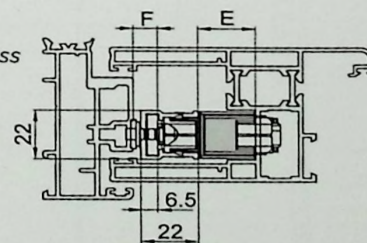
Art.	F	Z
6734.11	12	13
6734.12	14,5	13
6734.13	15,5	13
6734.14	19,5	13
6734.15	21,5	13
6734.16	26,5	13
6734.17	10,5	5

6734.X
Chiusure standard
Standard hook



Art.	E	Y	Z
6734.1	10,5	5	13
6734.2	12	7,9	13
6734.3	14,5	13	13
6734.4	15,5	13	13
6734.5	21,5	13	13
6734.6	26,5	13	13

6736.XX
Spessori aste
Cremone thickness

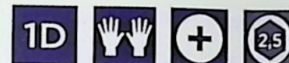


Art.	E
6736.20	20,5
6736.22	22
6736.25	25,5
6736.30	30
6736.32	32
6736.36	36

ASTA DI CHIUSURA

CHIUSURA PER SISTEMA AS 300 CON UNCINI RETRAIBILI

Kit Cremonese | Cremone kit | Kit crémone | Kit cremona



Cremonese in alluminio estruso, asta interna, viti di fissaggio, naselli e movimentazione in acciaio.



Cremone in extruded aluminum, rod, screws, hook and movement in steel.



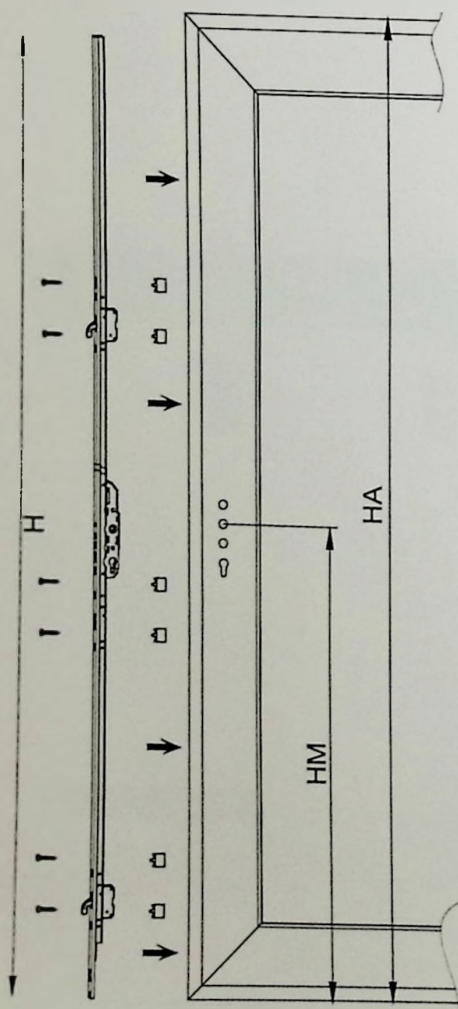
Crémone de aluminium extrudé, tringles, vis, pènes, mouvement en acier.



Cremona de aluminio extruido, pletinas, movimiento, tornillos, ganchos en acero.



ART.	673X.XX
Imballo Package Conditionnement Embalaje	2 Pz
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1 2 3 4 5 6



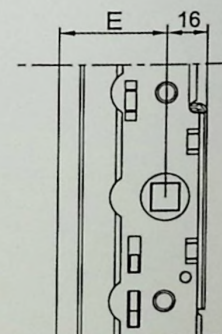
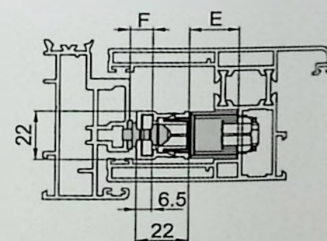
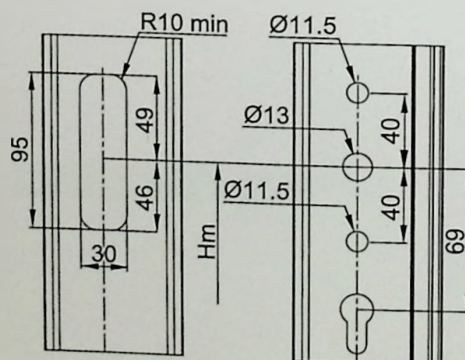
Art.	Hook*	H	HA	HM	E	H1	H2	H3
6733.25	2	2500	1835-2560	1000	37,5	212	1680	
6733.28	3	2800	2270-2860	1000	37,5	212	1212	2512
6733.33	3	3300	2670-3360	1000	37,5	212	1412	2512
6733.38	3	3800	2670-3860	1000	37,5	212	1412	2512
6732.25	2	2500	1835-2560	1000	27,5	212	1680	
6732.28	3	2800	2270-2860	1000	27,5	212	1212	2512
6732.33	3	3300	2670-3360	1000	27,5	212	1412	2512
6732.38	3	3800	2670-3860	1000	27,5	212	1412	2512

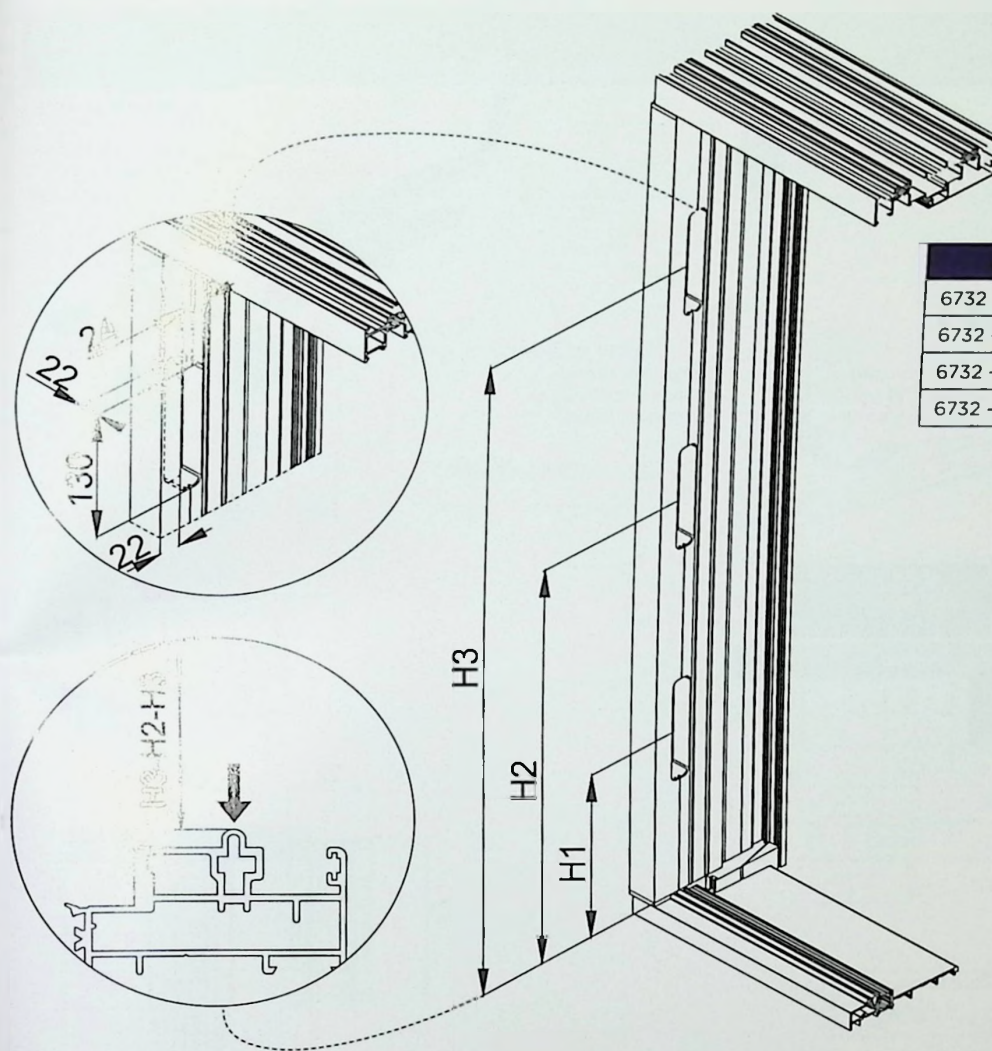
*Abbinare ad ogni gancio 2 spessori asta A6736.XX

*Cobine each hook with 2 cremone thickness A6736.XX

LAVORAZIONI | MACHINING

Esterno | External Interno | Internal

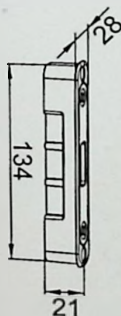




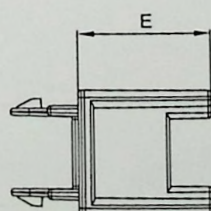
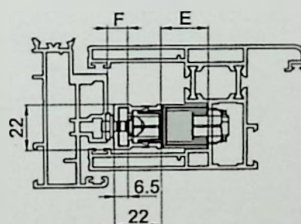
Art.	H1	H2	H3
6732 - 6733.25	210	798	1678
6732 - 6733.28	210	1210	2110
6732 - 6733.33	210	1410	2510
6732 - 6733.38	210	1410	2510

ART.	6735						6736.XX						6737					
Imballo Package Conditionnement Embalaje	2 Pz						20 Pz						1 Pz					
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6

6735
Riscontro regolabile
Adjustable counterplate

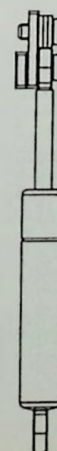


6736.XX
Spessori aste
Cremone thickness



Art.	E
6736.20	20.5
6736.22	22
6736.25	25.5
6736.30	30
6736.32	32
6736.36	36

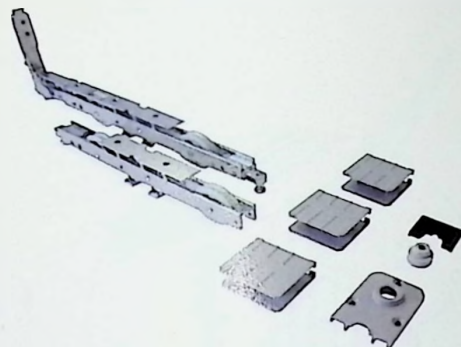
6737
Ammortizzatore serratura
Cremone dumper



KIT CARRELLI

KIT CARRELLI AS300

Kit carrelli AS300 | Rollers kit AS300 | Kit chariots AS300 |
Kit de ruedas AS300



Corpo in zama,
costole, molle di
regolazione e viti
in acciaio inox.
cuscinetti a sfera.



Zamak body, stainless
steel springs and
screws, bearing.

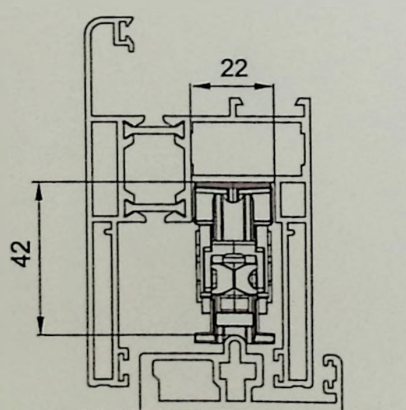
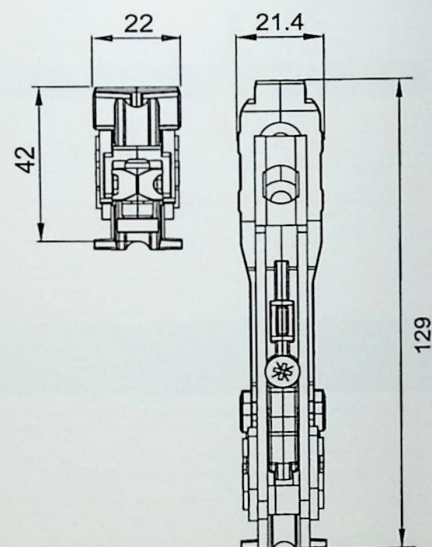
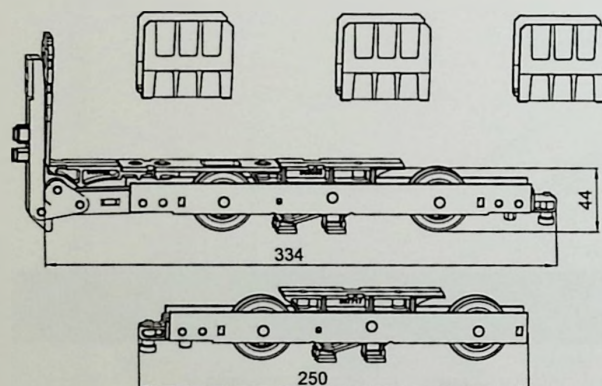


Corps en zamak,
ressort et vis en acier
inox, roulements à
billes.

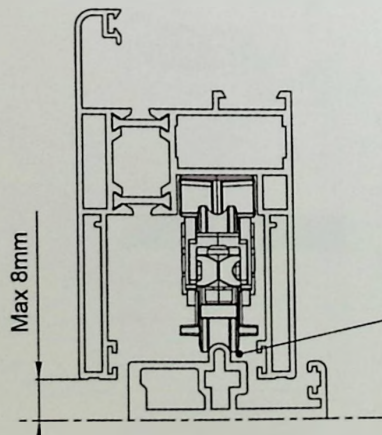


Cuerpo de zamak,
muelles y tornillos de
acero inox, bolas.

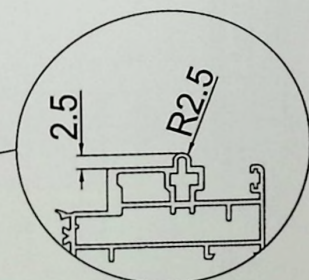
ART.	6740					
Imballo Package Conditionnement Embalaje	1 Pz					
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	5	6



DOWN

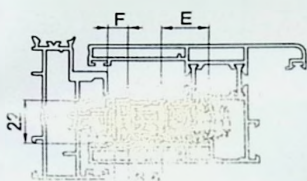
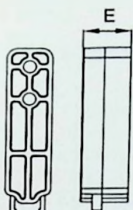


UP



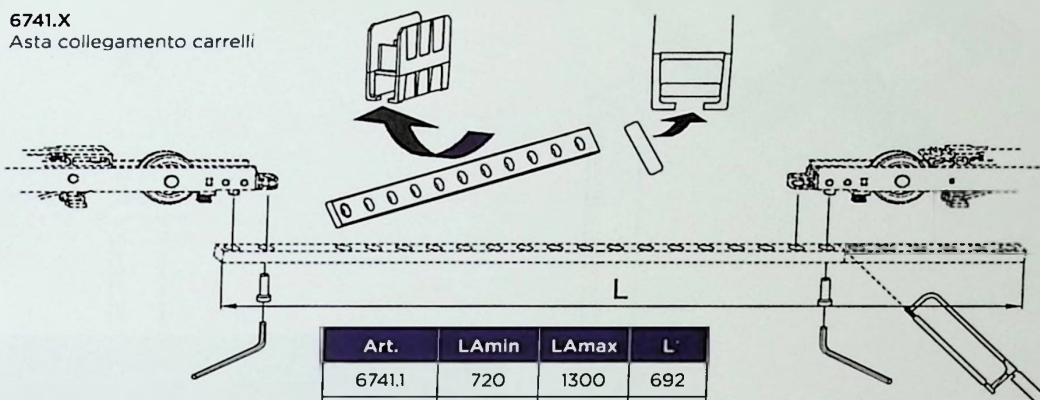
ART.	6742.XX						6741.X						6740.10					
Imballo Package Conditionnement Embalaje	10 Pz						5 Pz						1 Cp					
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6

6742.XX
Spessore carrelli
Rollers thickness



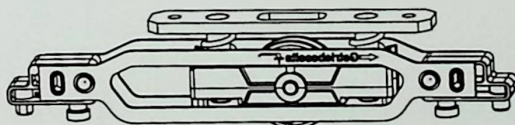
	E
6742.20	20,5
6742.22	22
6742.25	25,5
6742.30	30
6742.32	32
6742.36	36

6741.X
Asta collegamento carrelli



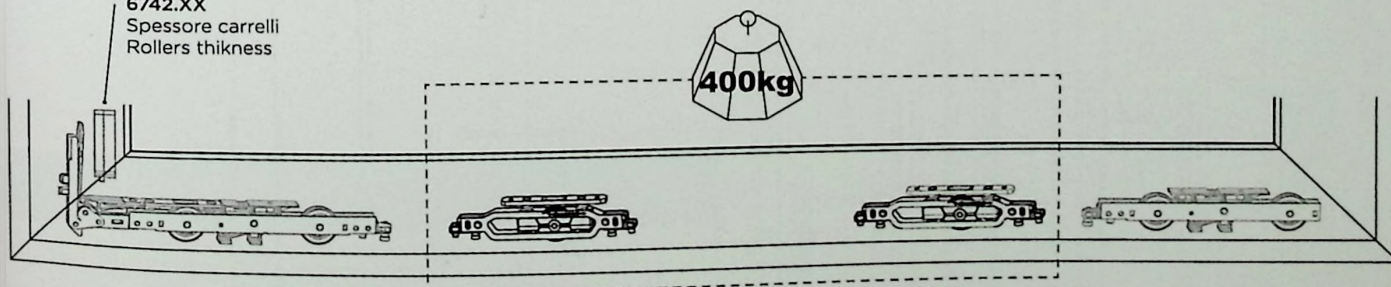
Art.	Lamin	Lmax	L'
6741.1	720	1300	692
6741.2	1225	1800	1196
6741.3	1730	2305	1700
6741.4	2235	2810	2204
6741.5	2740	3385	2708

6740.10
Carrello supplementare



X2

6742.XX
Spessore carrelli
Rollers thickness



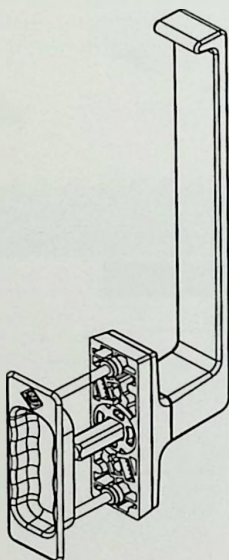
Lamin - 1200 mm

AS300

ACCESSORI SUPPLEMENTARI

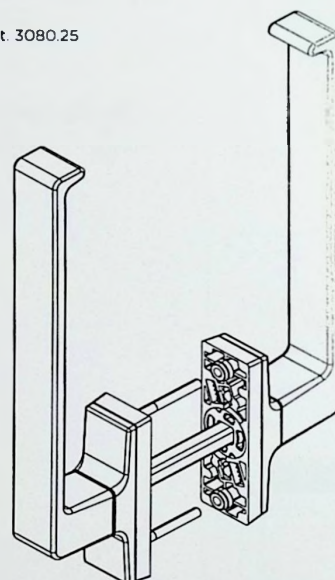
DESCRIZIONE DESCRIPTION	ART.
"ITALIA" Martellina "ITALIA" Handle	3080.20

Art. 3080.20

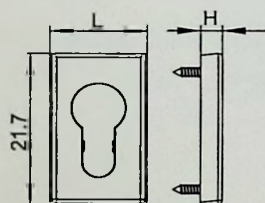


DESCRIZIONE DESCRIPTION	ART.
"ITALIA" Doppia martellina "ITALIA" Double handle	3080.25

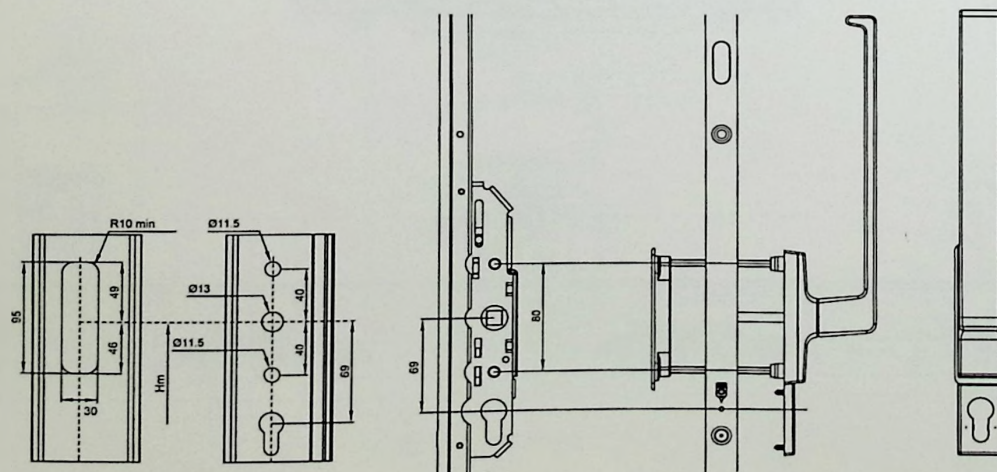
Art. 3080.25



Art. 2129.4



ART.	DESCRIZIONE DESCRIPTION	H	L
2129.4	"ITALIA" Copricilindro di sicurezza sagomato in zama "ITALIA" Zamak security shaped cylinder cover	31.5	7



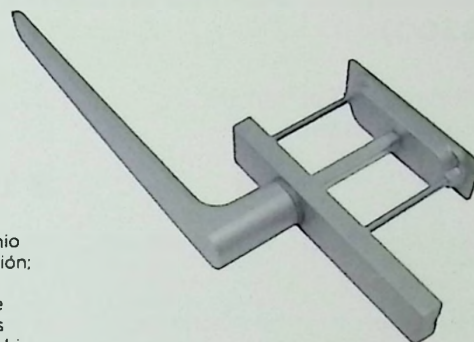


KARMA

MANIGLIONE ALZANTE CON MANIGLIA DI TRAINO QUADRO 10 MM (AS300)

Maniglione | Pull handle

Barre | Manillón



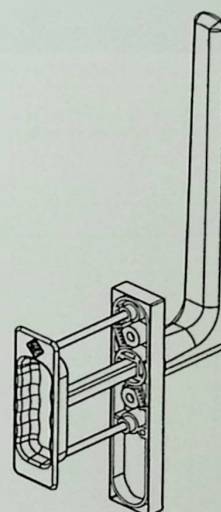
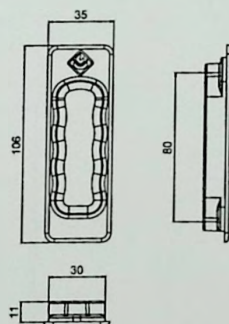
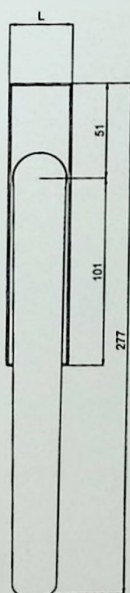
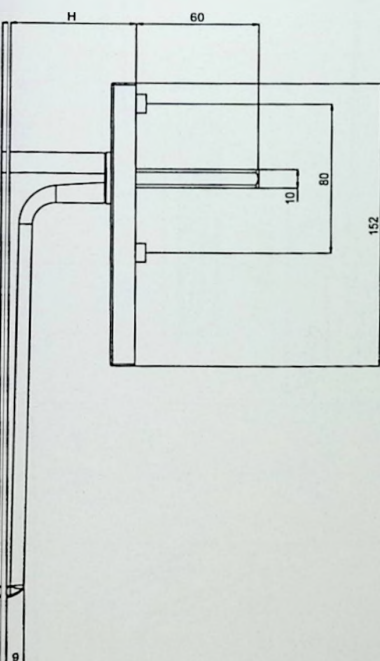
Manico in alluminio
estruso; cassa,
copricassa, vaschetta
di traino e rotore
in zama; boccole
antifrizione in
delrin, viti e perni
in acciaio.

Extruded aluminium
handle; body, body
cover, pull tray and
rotor made of zamak;
anti-friction bushings
in delrin, steel pin and
screws.

Poignée en
aluminium extrudé;
caisse, couvre-caisse
et rotor en zamak;
bagues anti-friction
en delrin, pivot et vis
en acier.

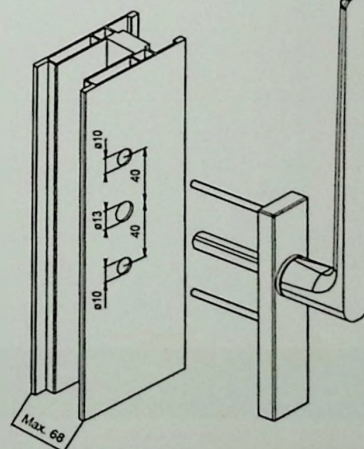
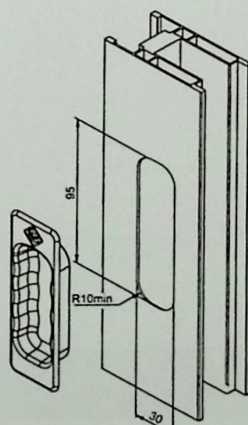
Mango de aluminio
moldeado a presión;
caja, cubrecaja,
tirador y rotor de
zamac; casquillos
antifricción de delrin,
tornillos y perno de
acero.

Art.	3081.20 3081.21				6399.11			
Imballo Package Conditionnement Embalaje	2 Pz				20 Pz			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4



Esterno | Out

Interno | In



DESCRIZIONE DESCRIPTION	ART.	L	H
KARMA - Maniglione alzante con vaschetta di traino esterna KARMA - Lift and slide handle with external pull handle	3081.20	32	63.5
KARMA - Maniglione alzante KARMA - Lift and slide handle	3081.21	32	63.5
Vaschetta di traino esterna External pull handle	6399.1	-	-

KARMA

MANIGLIONE DOPPIO ALZANTE QUADRO 10 MM (AS300)

Maniglione | Pull handle
Barre | Manillón



Manico in alluminio estruso; cassa, copricassa e rotore in zama; boccole antifrizione in delrin, perno e viti in acciaio.



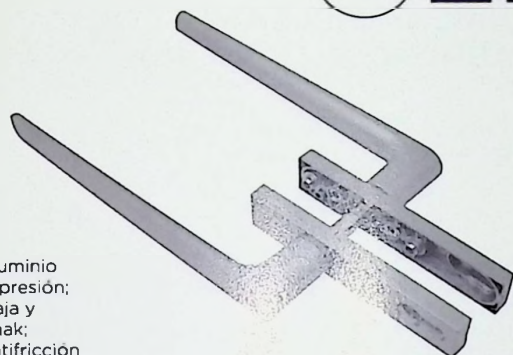
Extruded aluminium handle; body, cover and rotor made of zamak; anti-friction delrin bushings, screws and pins in stainless steel.



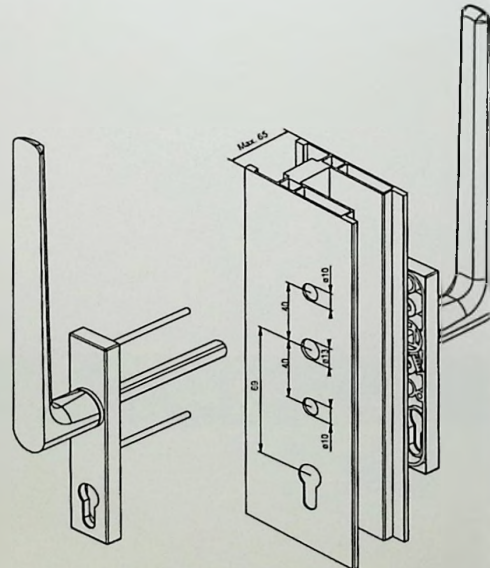
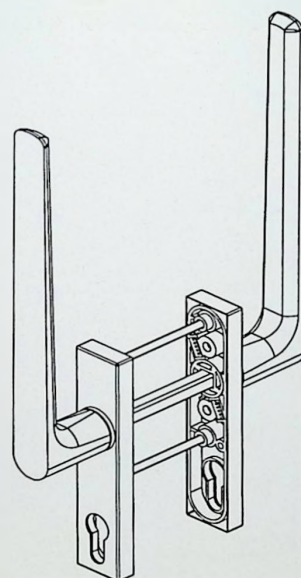
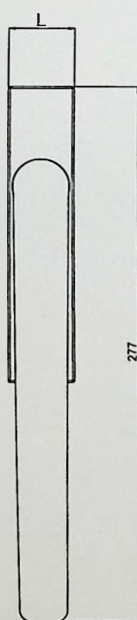
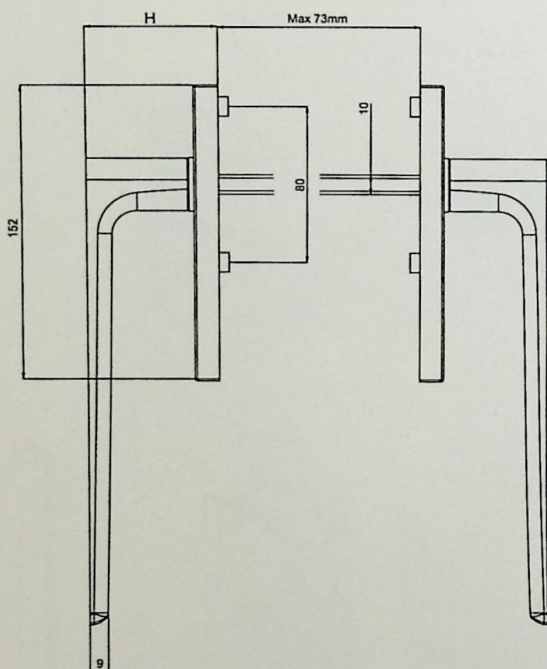
Poignée en aluminium extrudé ; caisse, couvre-caisse et rotor en zamak ; bagues anti-friction en delrin, pivot et vis en acier.



Mango de aluminio moldeado a presión; caja, cubrecaja y rotor de zamak; casquillos antifricción de delrin, perno y tornillos de acero.



ART.	3081.35
Imballo Package Conditionnement Embalaje	2 Cp
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1 2 3 4



DESCRIZIONE DESCRIPTION	ART.	L	H
KARMA - Maniglione per alzante con predisposizione per cilindro KARMA - Double handle for lift and slide with key	3081.35	32	63.5

NOTE / NOTES

Lined area for writing notes.



BING

MOVIMENTAZIONE BIDIREZIONALE REGOLABILE

Imovimentazione bidirezionale | Two-way movement |
Mouvement bidirectionnel | Movimiento bidreccional



Realizzata in zamak
zincata; tassello di
regolazione in nylon
a entrata regolabile



Made of galvanized
zamak; Nylon
adjustment plug,
adjustable entry



Réalisé en zamak
zinguée; pièce de
réglage en nylon,
entrée réglable

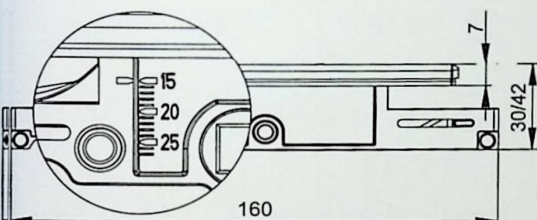


Fabricado en zamak
galvanizado; Taco de
regulación en nylon,
entrada ajustable

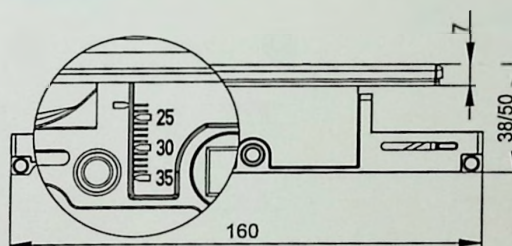
ART.	3626.1 3626.2			
Imballo Package Pack Embalaje	10 PZ			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4

DESCRIZIONE DESCRIPTION	ART.	ENTRATA MIN. BACKSET	ENTRATA MAX. MAX BACKSET	NODI SECTION
"BING" Movimentazione bidirezionale	3626.1	15	27	A01 - A02 A03 - A04
"BING" Two-way movement	3626.2	23	35	A05 - A06 A07 - A08

Art. 3626.1

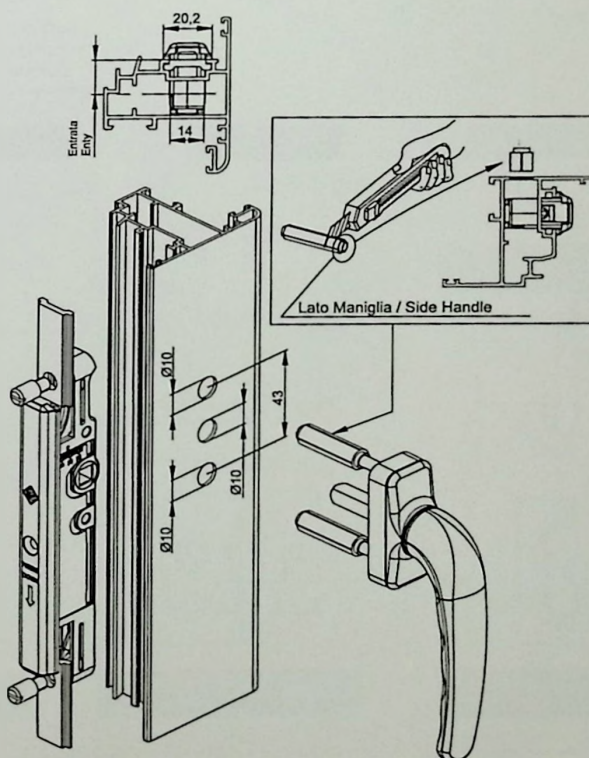
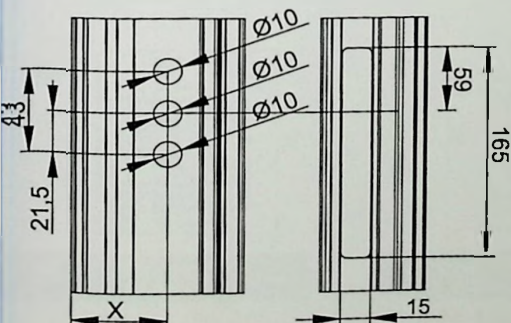


Art. 3626.2



ENTRATA BACKSET	PERNO DI COLLEGAMENTO CONNECTION PIN
15-18 mm	6420E.11
16-20 mm	6420E.13
19-23 mm	6420E.16
22-25 mm	6420E.18
25-29 mm	6420E.22
28-32 mm	6420E.25
30-34 mm	6420E.27
34-38 mm	6420E.31

LAVORAZIONI | MACHINING

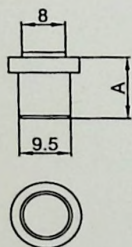




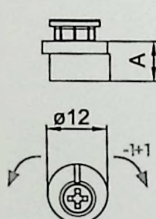
Pernio y tornillo M5
TSP CR de acero
galvanizado. Art. 4246
excéntrica de cierre
de zamac, regulable
a presión en 8
posiciones diferentes.

ART.	4241 4241.1 4242 4207.1 4207.2 4207.11 4246				4246.10 4246.11			
Imballo Package Conditionnement Embalaje	50 Pz				20 Pz			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4

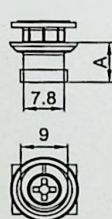
4248.1X



ART.	A
4241	9
4241.1	10.5
4242	12

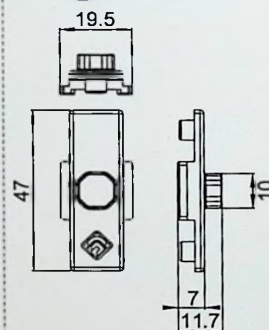


ARTS	A
4246	8

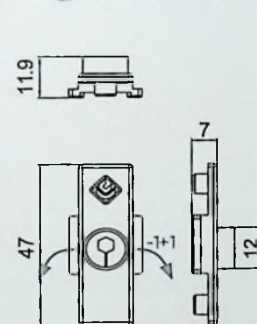


Abbinabile con la
cremonese art. 6010.12
*Compatible with
cremone-bolt art. 6010.12*

ART.	A
4246	8

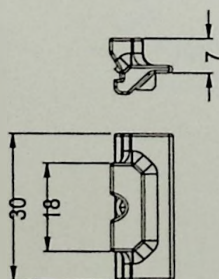


ART.	NODO SECTION
4248.11	A01 - A02 A03 A04 - A05 - A06 A07 - B01 - B03

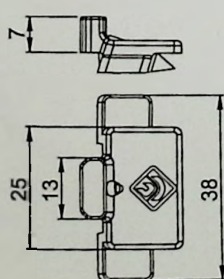


ART.	NODO SECTION
4248.11	A01 - A02 A03 A04 - A05 - A06 A07 - B01 - B03
4248.12	A08 - B04

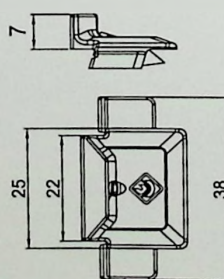
⑨ 4207.11



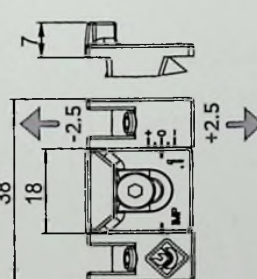
ART.	NODO SECTION
4207.2	A08 - B04



ART.	NODO SECTION
42071	A01 - A02 A03 A04 - A05 - A06 A07 - B01 - B03



ART.	NODO SECTION
4207.4	A01 - A02 - A03 - A04 A05 - A06 - A07 - B01 B03



ART.	NODO SECTION
4207.11	A01 - A02 A03 - A04 A05 - A06 A07 - B01 B03

6 + 5



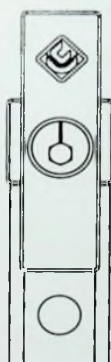
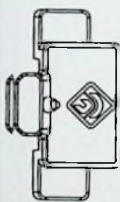
ART.	NODO SECTION
3421.32	A08 - B04

6 + 2



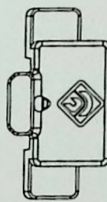
ART.	NODO SECTION
4246.10	A08 - B04

7 + 5



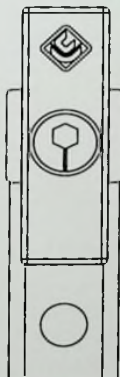
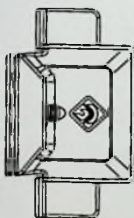
ART.	NODO SECTION
3520.32	A01 - A02 A03 - A04 A05 - A06 A07 - B01 B03

7 + 2



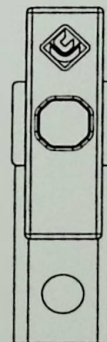
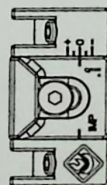
ART.	NODO SECTION
4246.11	A01 - A02 A03 - A04 A05 - A06 A07 - B01 B03

8 + 5



ART.	NODO SECTION
4207.21	A01 - A02 A03 - A04 A05 - A06 A07 - B01 B03

9 + 4



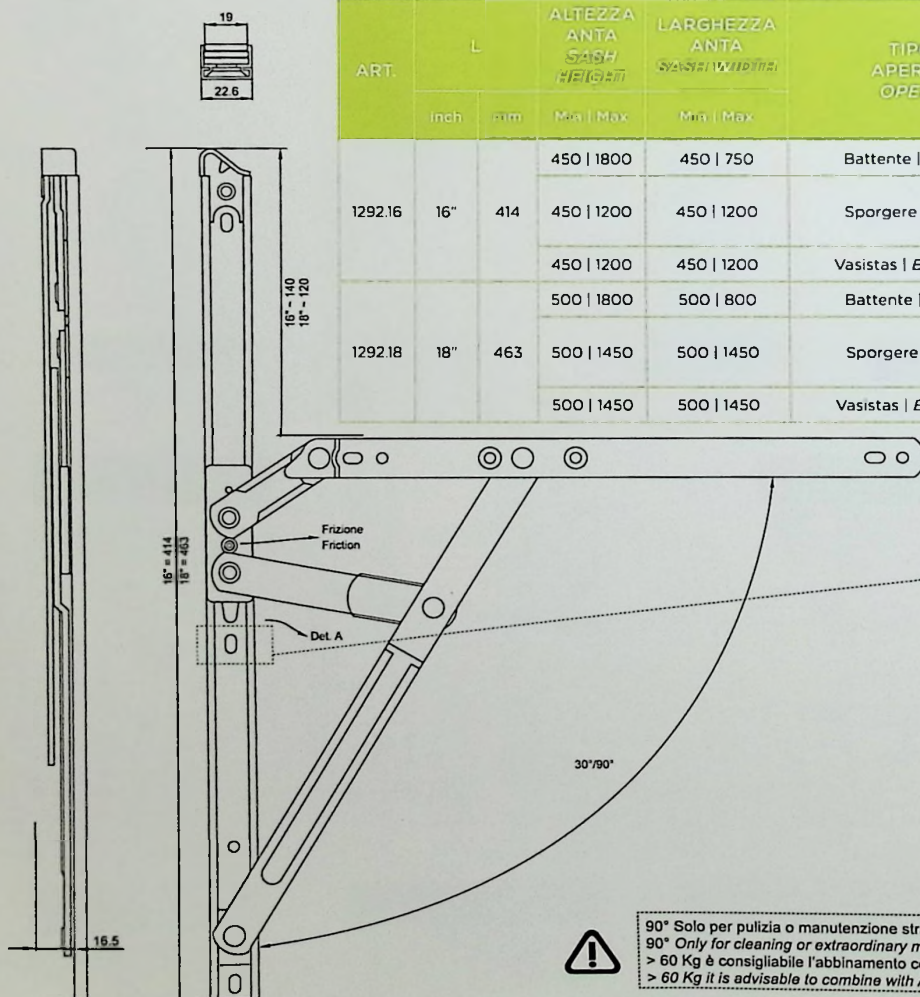
ART.	NODO SECTION
3400F.32	A01 - A02 A03 - A04 A05 - A06 A07 - B01 B03

1D

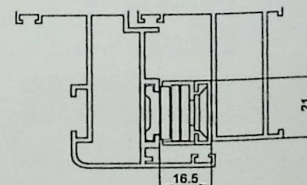


Bisagras de acero
inox AISI 304 con
cojinete de fricción
revestido en nylon
autolubrificante,
regulador de
posicionamiento de
zamac.

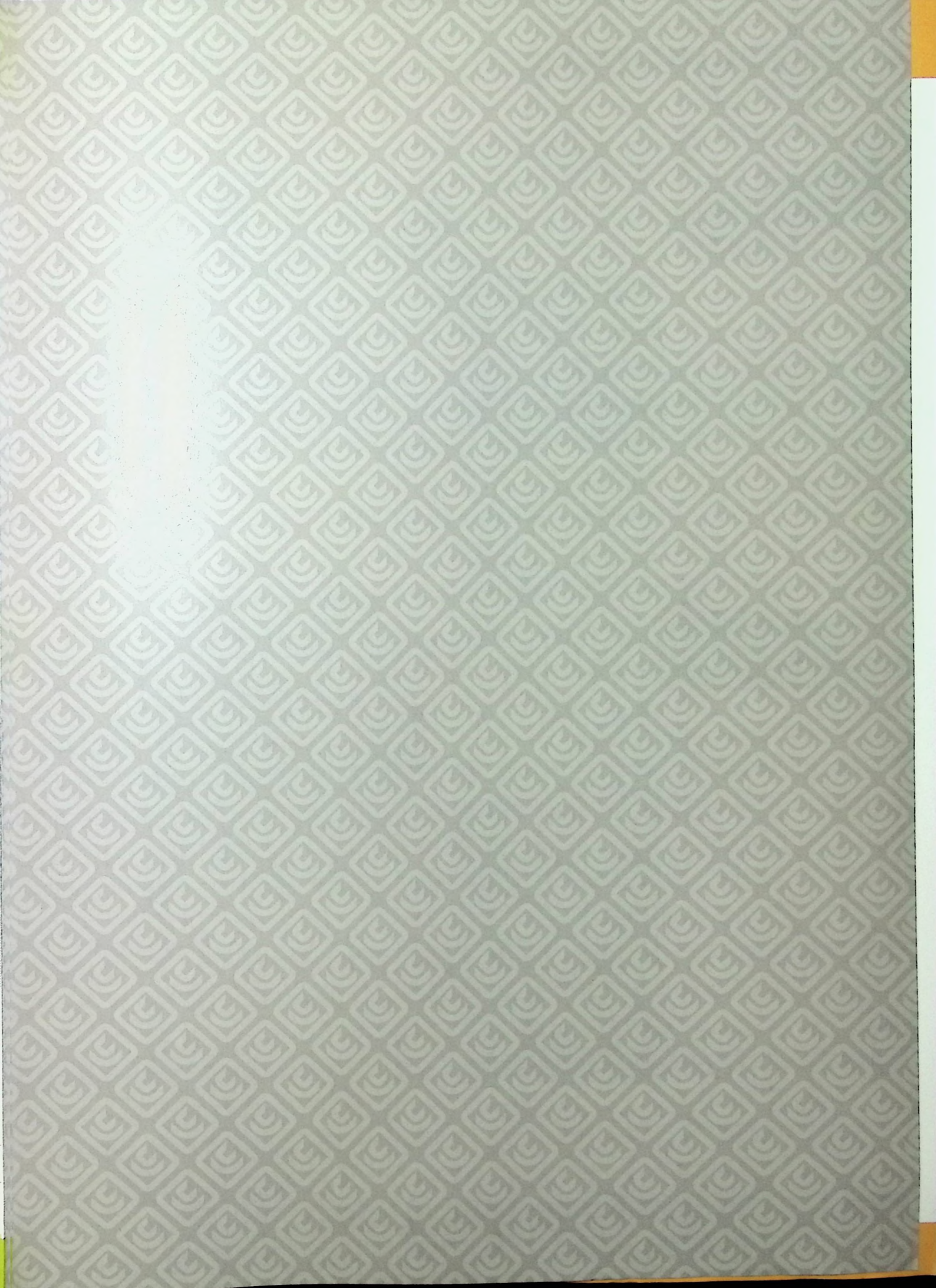
ART.	L		ALTEZZA ANTA SASH HEIGHT	LARGHEZZA ANTA SASH WIDTH	TIPO DI APERTURA OPENING	ANGOLI DI APERTURA OPENING ANGLE		PORTATA MAX LOAD	
	inch	mm	Min Max	Min Max		Opening Angle	Opening Limitation	Kg	
1292.16	16"	414	450 1800	450 750	Battente <i>Side Hung</i>	α	30°	vite screw	42
			450 1200	450 1200	Sporgere <i>Top Hung</i>	α	20°	vite screw + 1 x A1250	100
						α	30°	vite screw	60
			450 1200	450 1200	Vasistas <i>Bottom Hung</i>	α	30°	vite screw	100
1292.18	18"	463	500 1800	500 800	Battente <i>Side Hung</i>	α	30°	NO*	45
			500 1450	500 1450	Sporgere <i>Top Hung</i>	α	20°	vite screw + 1 x A1250	100
							30°	vite screw	60
			500 1450	500 1450	Vasistas <i>Bottom Hung</i>	α	30°	vite screw	100



Nodo di riferimento
Cross section reference



90° Solo per pulizia o manutenzione straordinaria
90° Only for cleaning or extraordinary maintenance
> 60 Kg è consigliabile l'abbinamento con A1203A.XX
> 60 Kg it is advisable to combine with A1203.XX

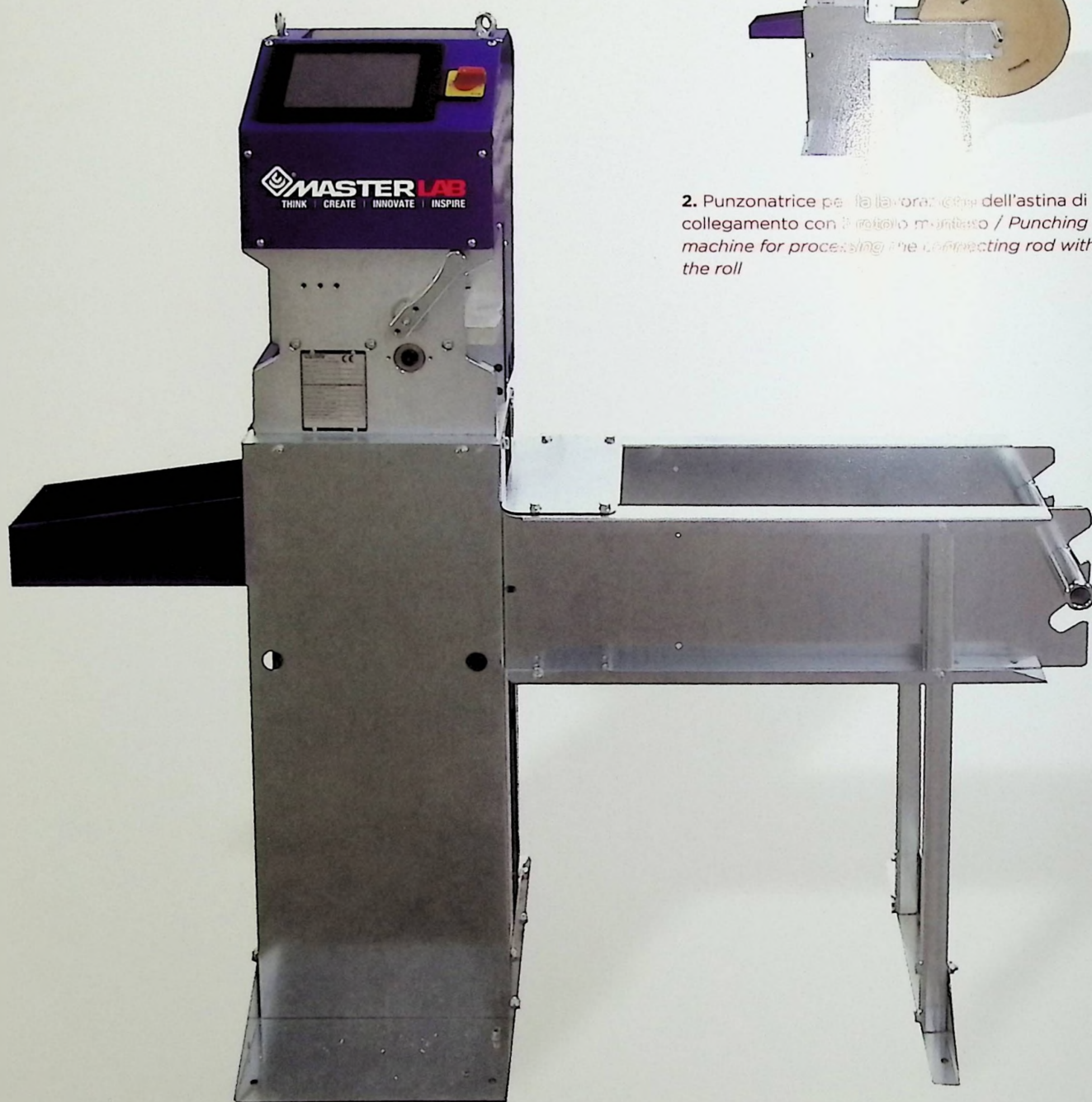


LA MACCHINA (Art. 2014)

THE MACHINE

LA MACHINE

LA MÁQUINA



2. Punzonatrice per la lavorazione dell'astina di collegamento con il rotolo montato / Punching machine for processing the connecting rod with the roll

1. Punzonatrice per la lavorazione dell'astina di collegamento / Punching machine for working the connecting rod



ASTINA IN POLIAMMIDE

Astina in poliammide | Polyamide rod | Tige en polyamide |
Varilla de poliamida



Astina in poliammide
per sistemi camera
europea, ERRE e cava
20 mm.



Polyamide rod for
euro groove, ERRE
groove and 20 mm
groove systems.

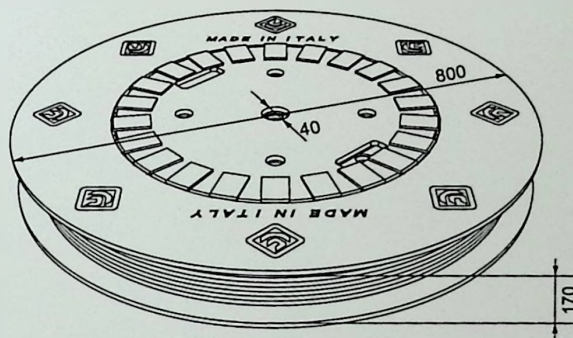
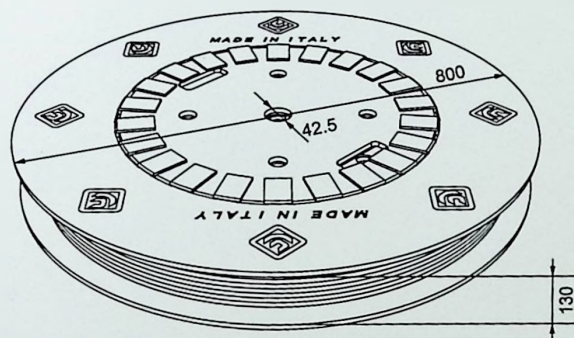


Varilla de poliamida
para pistas CE, pistas
20mm y pistas ERRE.

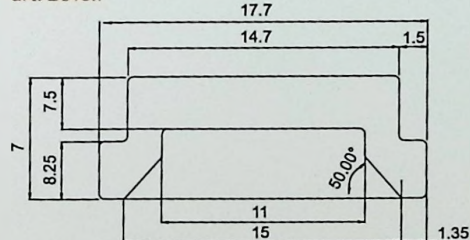


Varilla de poliamida
para pistas CE, pistas
20mm y pistas ERRE.

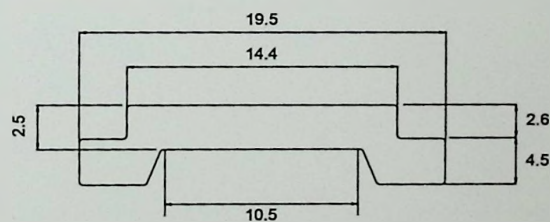
ART.	2010.2				2010.1			
Packaggio Package Conditionnement Embalaje	250 MT				200 MT			
Finiture disponibili Available finishes Finitions disponibles Acabados disponibles	1	2	3	4	1	2	3	4



art. 2010.1



art. 2010.2



ART.	NODI SECTIONS
2010.1	A08 - A23 - B04
2010.2	A01 - A02 - A03 - A04 - A05 - A06 - A07 - A10 - A11 - A12 - A14 - A15 A16 - A17 - A18 - A20 - A21 - A22 - B01 - B06 - B07 - B08 - B10 - B11



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