



**invisible
connection**
by **CASMA**

G l a s s W a l l T e c h n o l o g y



DHD - USA

Glass Wall Technology è la linea di accessori per sistemi di apertura in vetro temperato a scorrimento di Casma. I prodotti che la compongono sono cinque e rispondono a differenti utilizzi specifici: "Junior" per sistemi ad ante scorrevoli e parcheggiabili a scomparsa; "Invisible Connection" per sistemi pieghevoli a libro; "Praktica", "Variant" e "Elba" per sistemi scorrevoli. Tutti e cinque i prodotti sono accomunati dall'utilizzo di parti metalliche ad angolo che danno il massimo spazio alla superficie vetrata rendendo quasi virtuale la barriera mobile. I prodotti GWT trovano la loro applicazione ottimale all'interno di centri commerciali, aeroporti, ristoranti e dovunque sia necessario creare o rimuovere barriere. GWT è stata scelta dai progettisti in numerose realizzazioni di prestigio, alcune fra le quali estremamente innovative come le tribune VIP dei campi da baseball americani.

ICOALUM - MEXICO



Glass Wall Technology is the line of hardware for tempered glass sliding systems by Casma. It comprises five products, each answering to a different specific need:

"Junior" for stack away wing systems; "Invisible Connection" for folding door systems; "Praktica", "Variant" and "Elba" for sliding door systems.

All GWT products are brought together by the use of patch fittings metallic joints, which give the most possible space to the glass surface, making the mobile barrier nearly virtual.

GWT products find their ideal application in shopping centers, airports, restaurants and anywhere it's necessary to create or remove a barrier. GWT has been chosen by designers for countless prestigious buildings, some of which are extremely innovative, such as the VIP, suites at American baseball stadiums.

Glass Wall Technology es la línea de herrajes para sistemas de apertura de vidrio templado de deslizamiento de Casma. Los productos que la componen son cinco y se dirigen a diferentes usos especiales:

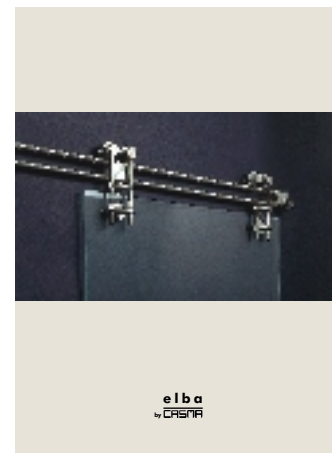
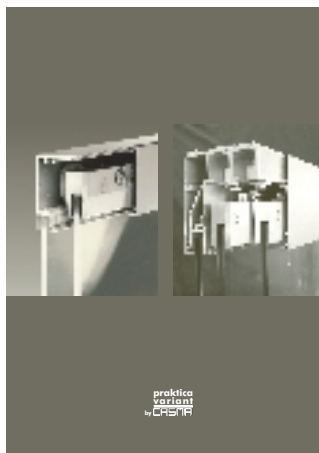
"Junior" para sistemas de hojas deslizables y aparcables a empotrar; "Invisible Connection" para sistemas plegables a libro; "Praktica", "Variant" y "Elba" para sistemas deslizables. Estos cinco productos tienen en común la utilización de partes metálicas no continuas que ofrecen el máximo espacio a la superficie acristalada haciendo casi virtual la barrera móvil. Los productos GWT son especialmente adecuados en centros comerciales, aeropuertos, restaurantes y dondequiera que sea necesario crear o eliminar barreras.

GWT ha sido elegida por los proyectistas de numerosas realizaciones de prestigio, entre las cuales se encuentran unas extremadamente innovadoras como las tribunas VIP de los campos de béisbol americanos.

G l a s s W a l l T e c h n o l o g y

Reference

Bank One Center - Ohio, JFK Airport - New York, Austin Texas International Airport, Desoto Civic Center, Sotheby's Auction House Rockefeller Center, Holiday Inn and Hilton Hotels, Benito Airport in Monterrey, Bilbao and Tenerife Airport, Munich Airport, North Carolina State Arena - Raleigh, RCA Dome - Indianapolis, Berlin World Trade Center, Berlin Sony Center, Zara Shopping - Center in Croatia, Bombay Marriott Hotel, Audi showroom - Igolstadt, Peugeot showroom - Athens - Raffeyenbank - Türkenfeld, Opera Underground - Nürnberg, City Centre - Weiden, Courthouse - Memmingen, Isar Park office - Halbergmoos, Allee Beauty Parlour - Berlin, Training Centre - Waldheim Dresden, Federal Republic Chancellery - Berlin, World Trade Centre - Berlin, Schmutterpark Centre - Nueusaess, Cafè Rischart - Munich, Ludwig's Passage - Augsburg, Luna-Princess-Palace - Unterschlei heim, Woort Company's Offices - Halberstadt, Höhenried Clinic - LVA Oberbayern, Commerzbank - Munich, Sparkassen Bank - Weilheim, Max Planck Company - Munich, Sozialdata - Munich, Schwarzer Adler Hotel - St. Anton Arlberg, etc.

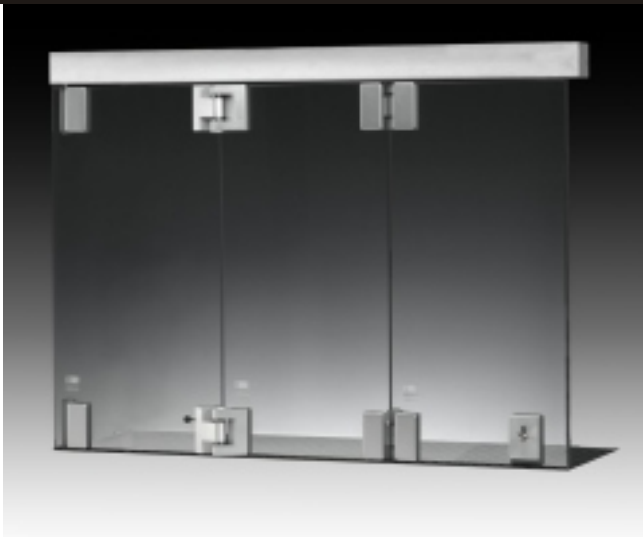


Invisible Connection

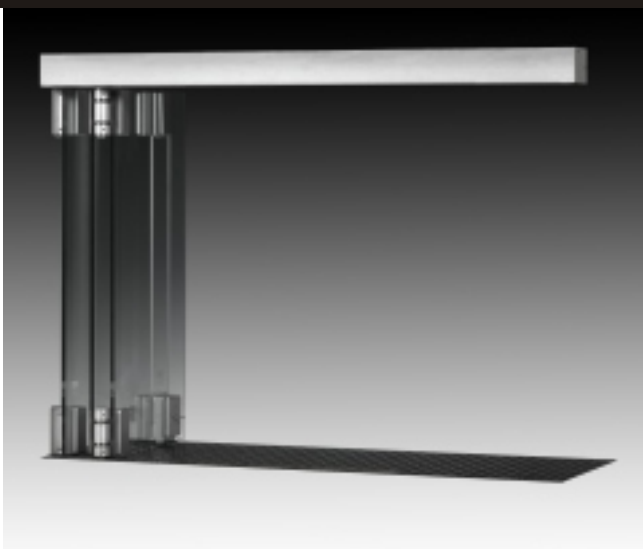
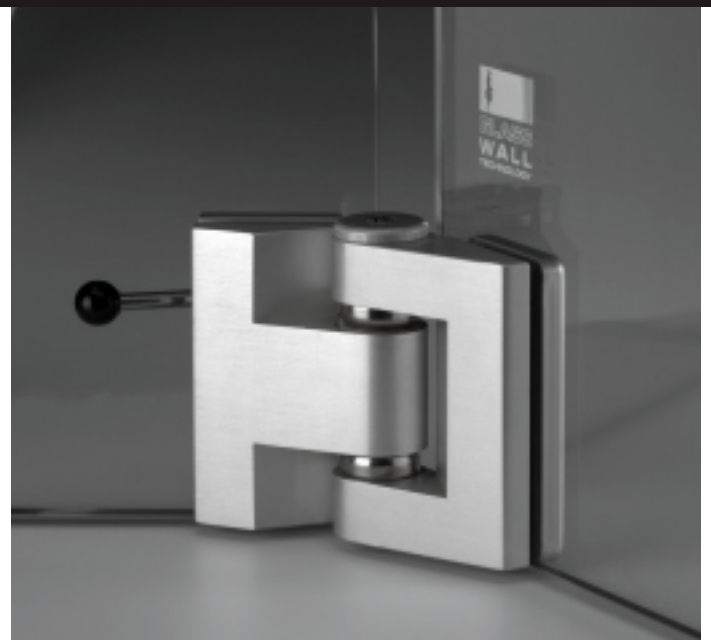
Il sistema trova la propria applicazione nelle vetrate a libro, anche per questo prodotto è stato adottato un sistema di cerniere in alluminio scorrevoli e pieghevoli sempre nell'ottica di limitare al massimo la presenza di metalli sull'anta vetrata.

Il sistema scorre all'interno di una guida superiore e le ante trovano il proprio allineamento nella parte bassa grazie ad una guida di ottone nascosta nel pavimento. Il sistema è disponibile in tutte le finiture dell'alluminio. Le dimensioni max di ogni anta sono 900x2600 mm, con massimo 5 ante per lato, quindi 10 ante totali. Gli spessori di vetro utilizzabili sono da 8mm temperato a 10mm+10mm stratificato e temperato.





It is an innovative hardware system for frameless glass-folding doors exclusively equipped with patch fittings. The system hangs and slides in a top-mounted track and the wings are aligned in a "U" brass profile hidden in the floor. All the hardware is available only in aluminium and its finishes. Maximum size of each wing is 900x2600 mm. The maximum number of wings is 10 (for a total opening of 9000 mm) i.e. 5 wings on each side. Glass thickness from 8mm for tempered glass up to 10+10mm for tempered laminated glass.



El sistema se aplica en particular a puertas acristaladas a libro. Para este producto también se ha adoptado un sistema de bisagras de aluminio deslizables y plegables siempre con el objetivo de limitar lo más posibles la presencia de metales en la hoja de vidrio. El sistema se desliza dentro de una guía superior y las hojas quedan alineadas en la parte baja gracias a un canal de latón escondido en el suelo. El sistema se encuentra disponible en todos los acabados de aluminio. Las dimensiones máximas de cada hoja son de 900x2600 mm, con máximo de 5 hojas por lado, y pues de 10 en total. Los espesores del vidrio utilizables son desde 8mm con cristal templado hasta 10+10 mm con cristal laminado y templado.

C o m p o n e n t i

C o m p o n e n t s

C o m p o n e n t e s



8-006

Guida inferiore in ottone (20x20x20x2mm)
Brass bottom rail (20x20x20x2mm)
Guía inferior en latón (20x20x20x2mm)



8-561

Cerniera superiore di scorrimento
Top sliding patch fitting
Bisagra superior de deslizamiento



1-220

Serratura a profilo internazionale completa di bocchetta a pavimento senza cilindro
Bottom lock international profile complete with floor strike no cylinder
Cerradura completa de cerradero a pavimento sin cilindro



8-562

Cerniera superiore per prima/ultima anta
Top patch fitting for leading wing
Bisagra superior para la primera/última hoja



8-550

Cerniera superiore/inferiore
Top/bottom patch fitting
Bisagra superior/inferior



8-563

Alloggiamento per cerniera inferiore prima/ultima anta art. no. 8-554
Bottom pivot adaptor for leading wing patch fitting art. no. 8-554
Alojamiento para la bisagra inferior primera/última hoja art. no. 8-554



8-553

Cerniera inferiore completa di catenacciolo di chiusura (impacchettamento interno)
Bottom patch fitting with locking bolt (folding inside)
Bisagra inferior completa de cerrojo de cierre (plegamiento al interior)



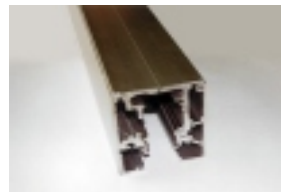
8-564

Cerniera inferiore destra o sinistra completa di catenacciolo di chiusura (impacchettamento esterno)
Left or right bottom patch fitting with locking bolt (folding outside)
Bisagra inferior derecha o izquierda completa de cerrojo de cierre (plegamiento al exterior)



8-554

Cerniera inferiore per prima/ultima anta
Bottom patch fitting for leading wing
Bisagra inferior para la primera/última hoja



8-565

Guida superiore in alluminio
Aluminium upper track
Guía superior en aluminio



8-555

Cerniera inferiore di scorrimento
Bottom sliding patch fitting
Bisagra inferior de deslizamiento



8-567

Bloccaggio di scorrimento per prima/ultima anta
Upper stop for leading wing's roller
Blocaje de deslizamiento para primera/última hoja

I n s t a l l a z i o n i c o m p l e t e

C o m p l e t e i n s t a l l a t i o n s

I n s t a l a c i o n e s c o m p l e t o s



Art. N° 8-511

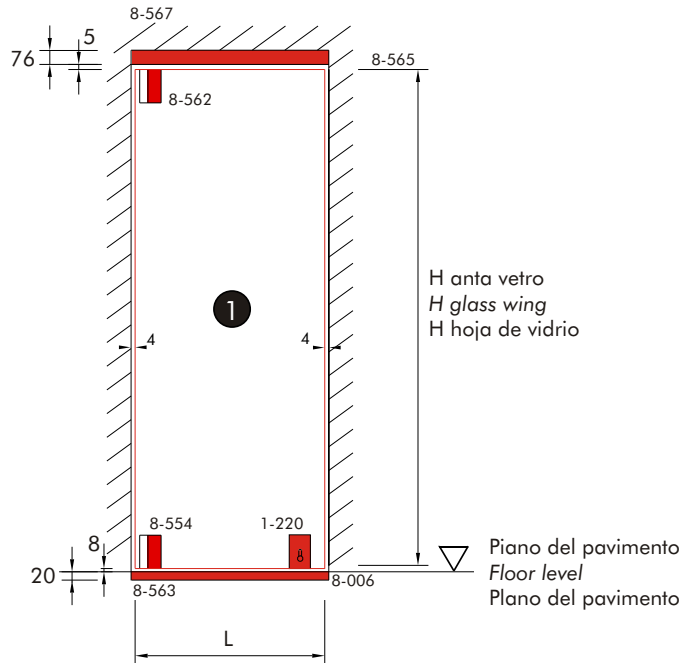
Installazione ad anta singola composta dagli articoli:

One wing installation composed by the articles:

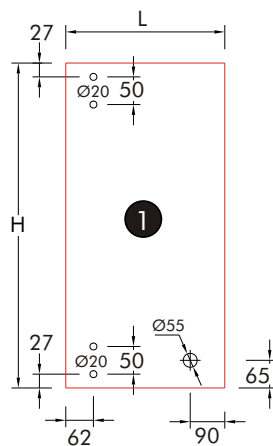
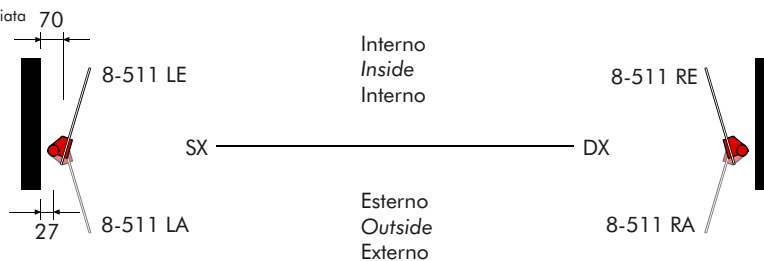
Instalación con una sola hoja compuesta de los artículos:

Art. 8-006, 8-554, 8-562, 8-563, 8-565, 8-567, 1-220

Q.ty 1 1 1 1 1 1 1



Ingombro dell'anta parcheggiata
Measure of the parked wing
Medida de la hoja aparcada



Dimensione max anta:

Max wing size:

Dimensione massima della hoja:

900x2600

Spessore max vetro:

Max glass thickness:

Espesor máximo del vidrio:

10+10 mm

per maggiori informazioni consultateci

for more information consult us

para mayor informacion consultar



Art. N° 8-512

Installazione a due ante composta dagli articoli:

Two wings installation composed by the articles:

Instalación con dos hojas compuesta de los artículos:

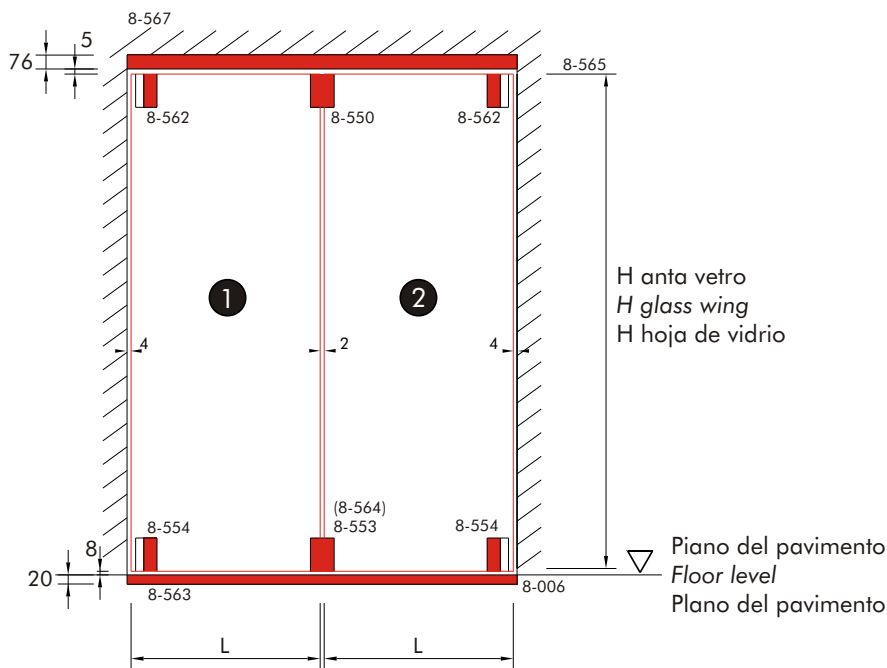
Art. 8-006, 8-550, 8-553/8-564, 8-554, 8-562, 8-563, 8-565, 8-567

Q.ty 1 1 1 1 2 2 1 1 1

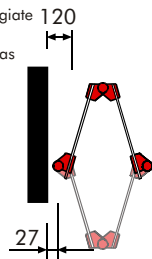
Lunghezza della guida superiore e a pavimento per ordini a stock
 8-565 3000 mm
 8-006 1990 mm

Upper track and bottom "U" channel length for stock orders
 8-565 3000 mm
 8-006 1990 mm

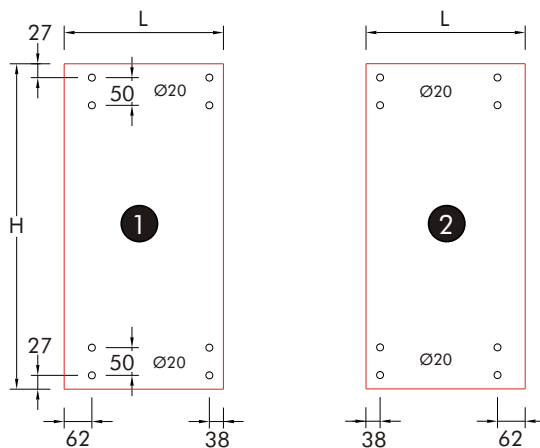
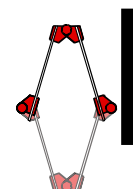
Ancho de las guías superior y inferior para pedido de stock
 8-565 3000 mm
 8-006 1990 mm



Ingombro delle ante parcheggiate
 Measure of the parked wings
 Medida de las hojas aparcadas



8-512 LE	Interno Inside Interno	8-512 RE
SX	-----	DX
8-512 LA	Esterno Outside Externo	8-512 RA



Dimensione max anta:
Max wing size: 900x2600
Dimensione massima della hoja:

Spessore max vetro:
Max glass thickness: 10+10 mm
Espesor maximo del vidrio:



per maggiori informazioni consultateci

for more information consult us

para mayor informacion consultar

Art. N° 8-513

Installazione a tre ante composta dagli articoli:
Three wings installation composed by the articles:
Instalación con tres hojas compuesta de los artículos:

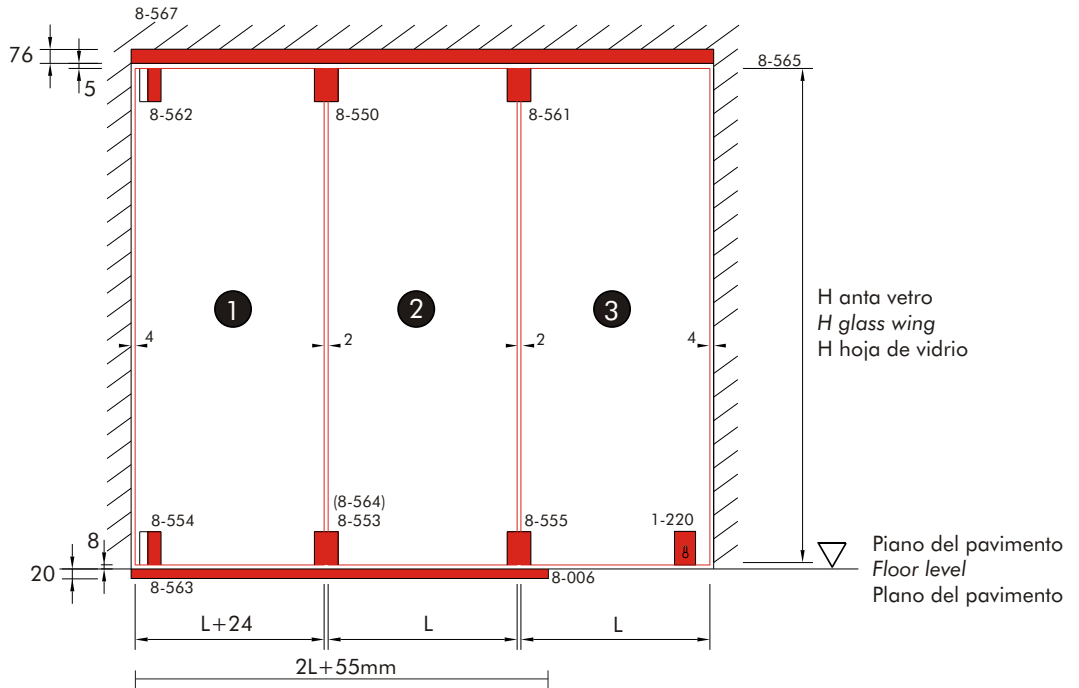
Art. 1-220, 8-006, 8-550, 8-553/8-564, 8-554, 8-555, 8-561, 8-562, 8-563, 8-565, 8-567

Q.ty 1 1 1 1 1 1 1 1 1 1 1 1 1

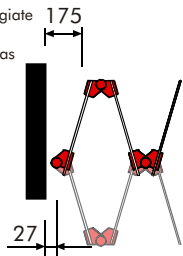
Lunghezza della guida superiore e a pavimento per ordini a stock
 8-565 3700 mm
 8-006 1990 mm

Upper track and bottom "U" channel length for stock orders
 8-565 3700 mm
 8-006 1990 mm

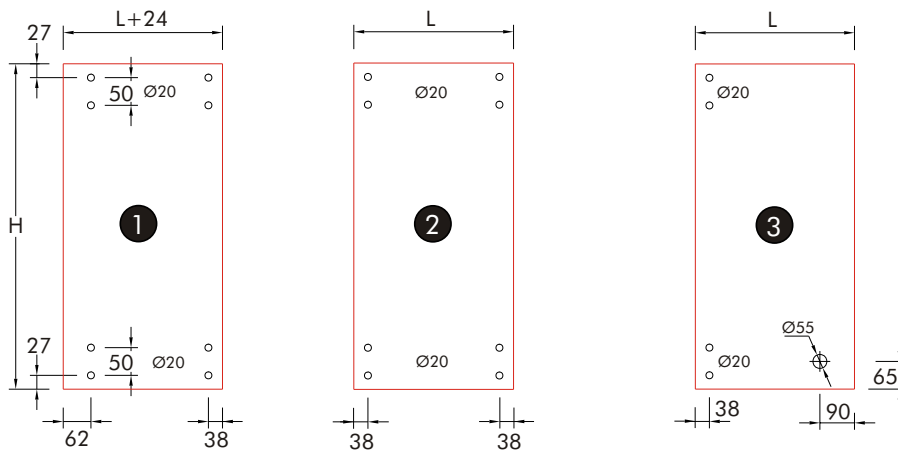
Ancho de las guías superior e inferior para pedido de stock
 8-565 3700 mm
 8-006 1990 mm



Ingombro delle ante parcheggiate
 Measure of the parked wings
 Medida de las hojas aparcadas



8-513 LE Interno Inside Interno 8-513 RE
 SX ————— DX
 8-513 LA Esterno Outside Esterno 8-513 RA



Dimensione max anta:
Max wing size: 900x2600
Dimension maxima della hoja:

Spessore max vetro:
Max glass thickness: 10+10 mm
Espesor maximo del vidrio:

per maggiori informazioni consultateci

for more information consult us

para mayor informacion consultar



Art. N° 8-514

Installazione a quattro ante composta dagli articoli:

Four wings installation composed by the articles:

Instalación con cuatro hojas compuesta de los artículos:

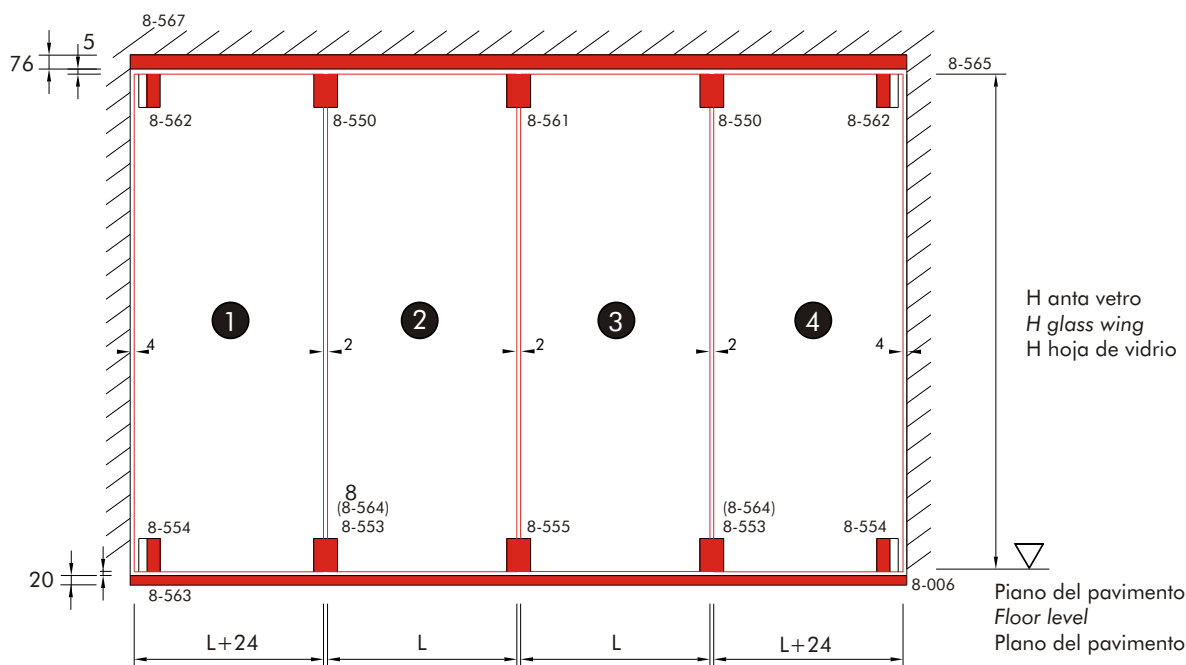
Art. 8-006, 8-550, 8-553/8-564, 8-554, 8-555, 8-561, 8-562, 8-563, 8-565, 8-567

Q.ty 1 2 2 2 2 1 1 2 1 1 1

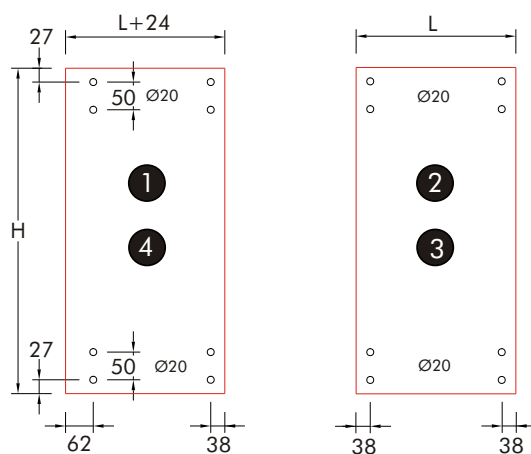
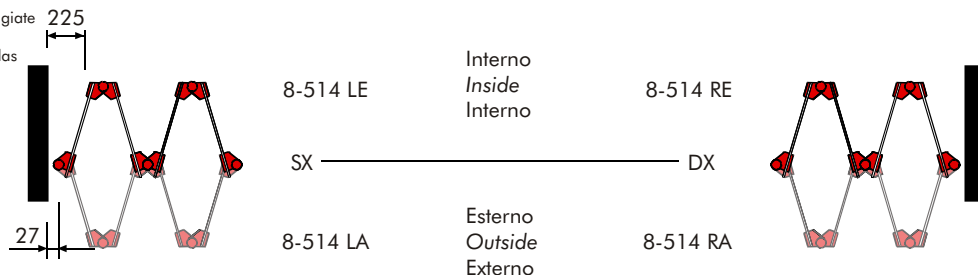
Lunghezza della guida superiore e a pavimento per ordini a stock
 8-565 4600 mm
 8-006 5000 mm

Upper track and bottom "U" channel length for stock orders
 8-565 4600 mm
 8-006 5000 mm

Ancho de las guías superior y inferior para pedido de stock
 8-565 4600 mm
 8-006 5000 mm



Ingombro delle ante parcheggiate
 Measure of the parked wings
 Medida de las hojas aparcadas



Dimensione max anta:

Max wing size:

Dimensione massima della hoja:

900x2600

Spessore max anta:

Max glass thickness:

Espesor maximo del vidrio:

10+10 mm



per maggiori informazioni consultateci

for more information consult us

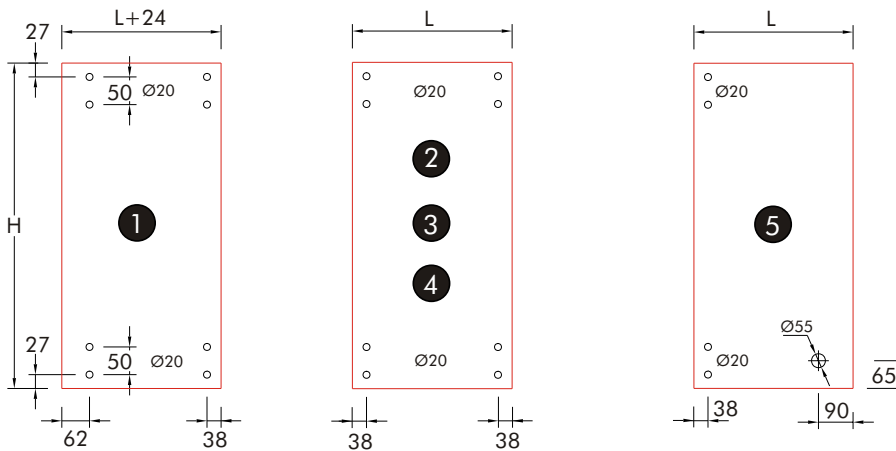
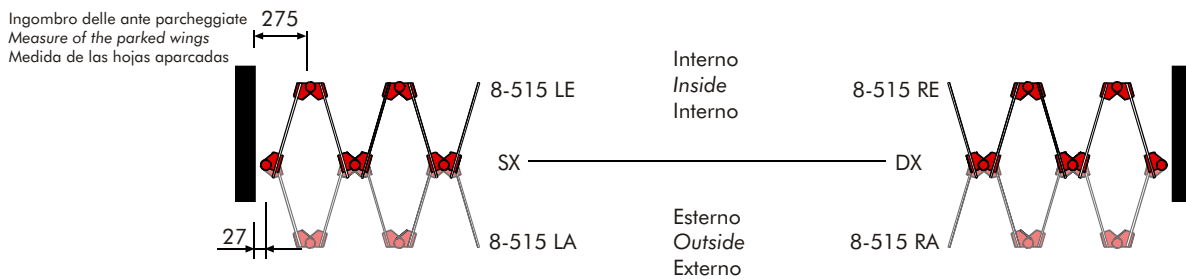
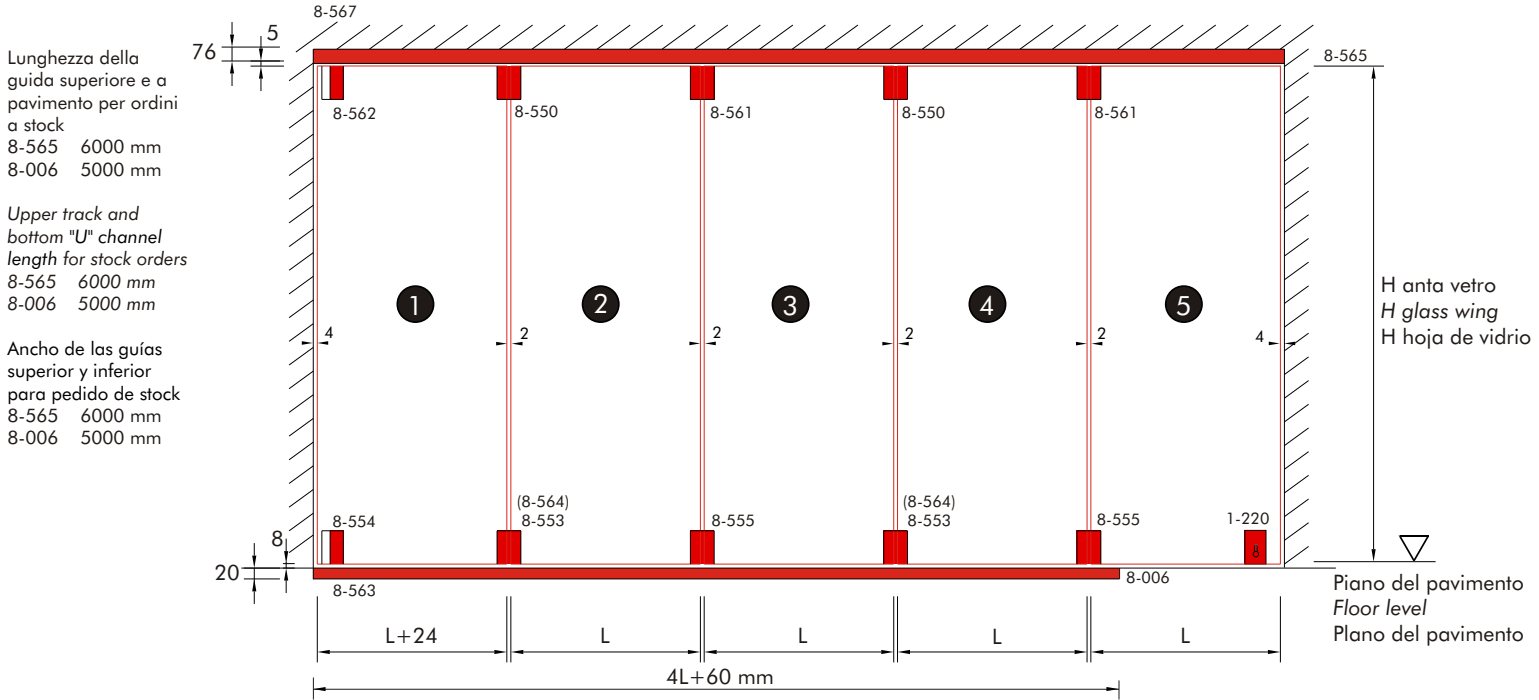
para mayor informacion consultar

Art. N° 8-515

Installazione a cinque ante composta dagli articoli:
Five wings installation composed by the articles:
Instalación con cinco hojas compuesta de los artículos:

Art. 1-220, 8-006, 8-550, 8-553/8-564, 8-554, 8-555, 8-561, 8-562, 8-563, 8-565, 8-567

Q.ty 1 1 2 2 2 1 2 2 1 1 1 1



Dimensione max anta:
Max wing size: **900x2600**
Dimension maxima della hoja:

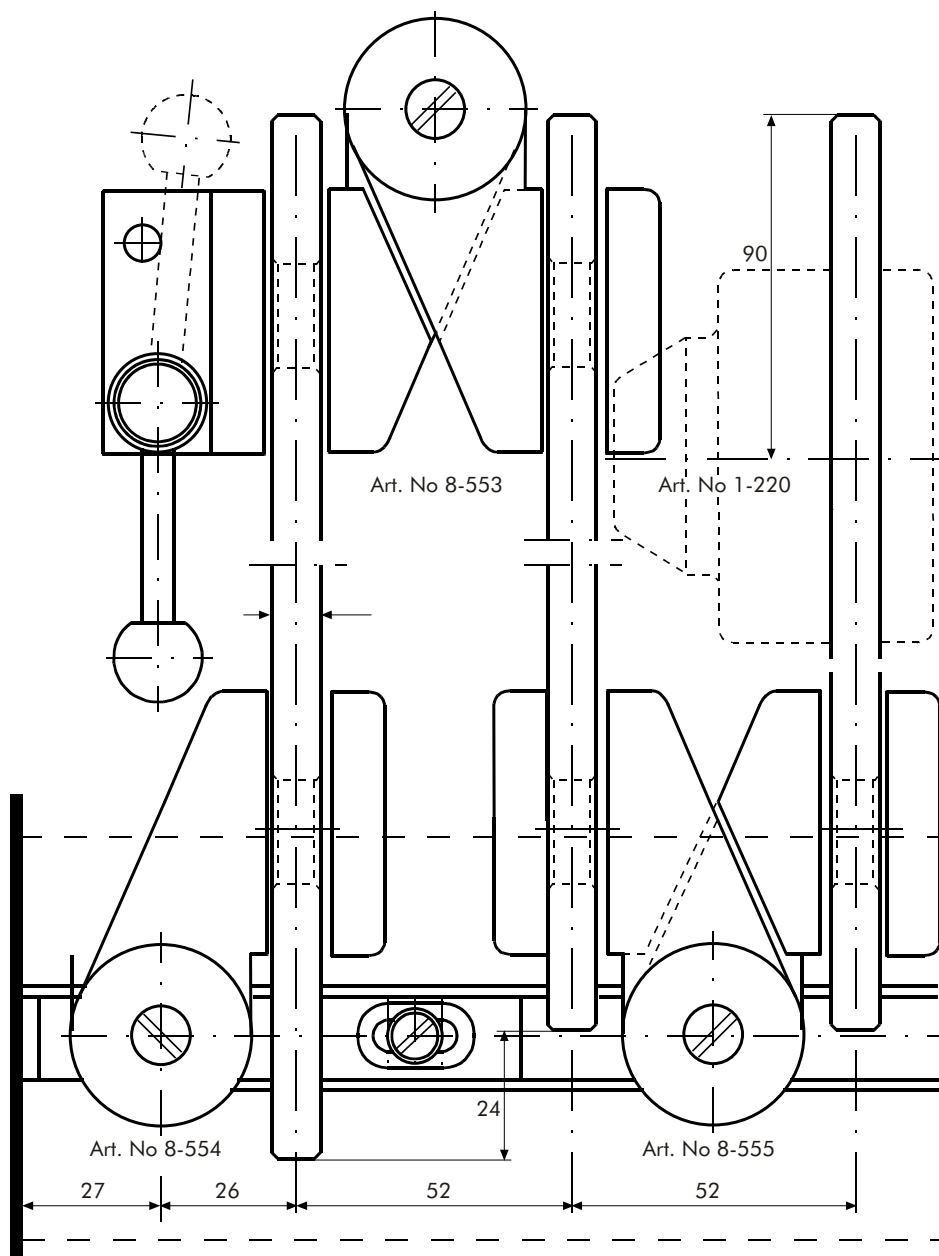
Spessore max vetro:
Max glass thickness: **10+10 mm**
Espesor maximo del vidrio:

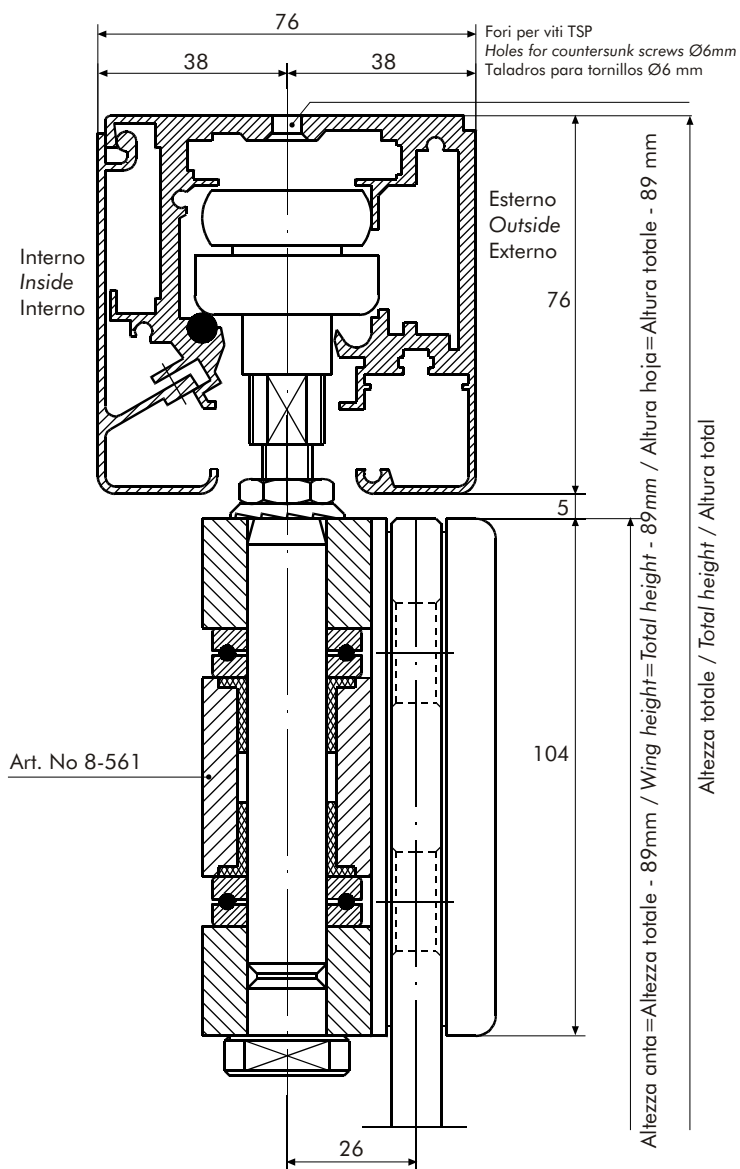
per maggiori informazioni consultateci
 for more information consult us
 para mayor informacion consultar

D i s e g n i t e c n i c i
T e c h n i c a l d r a w i n g s
D i s e ñ o t é c n i c o

Sezione orizzontale
Horizontal section
Seccion horizontal

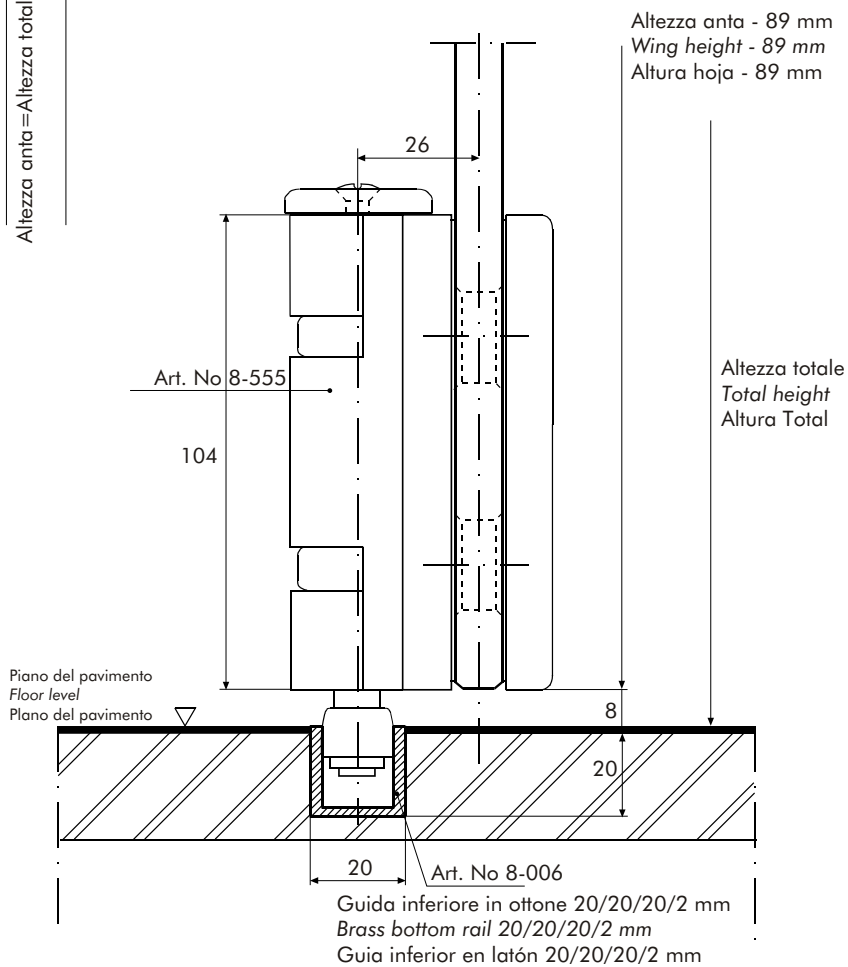
Art.N° 8-513/3LE

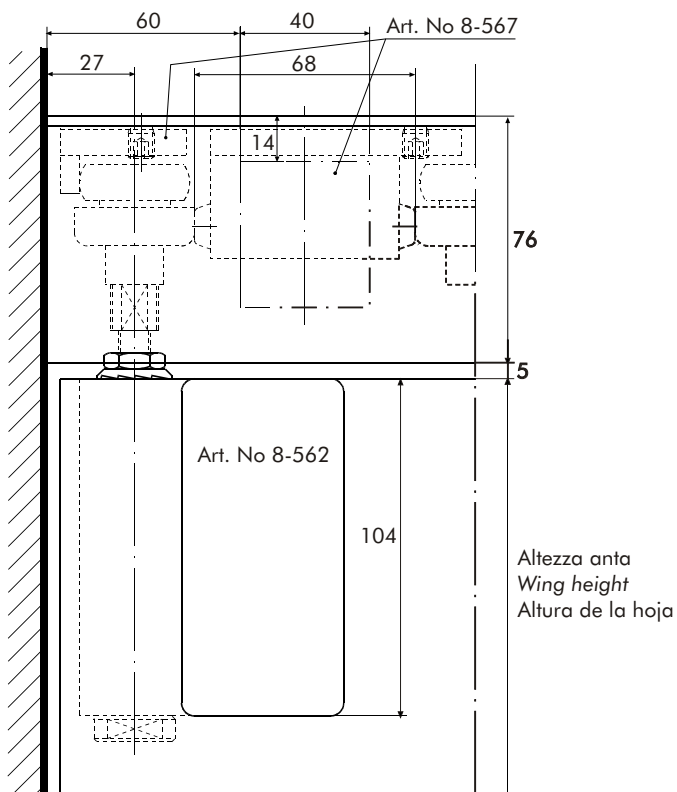




Sezione verticale superiore
Upper vertical section
Seccion verical superior

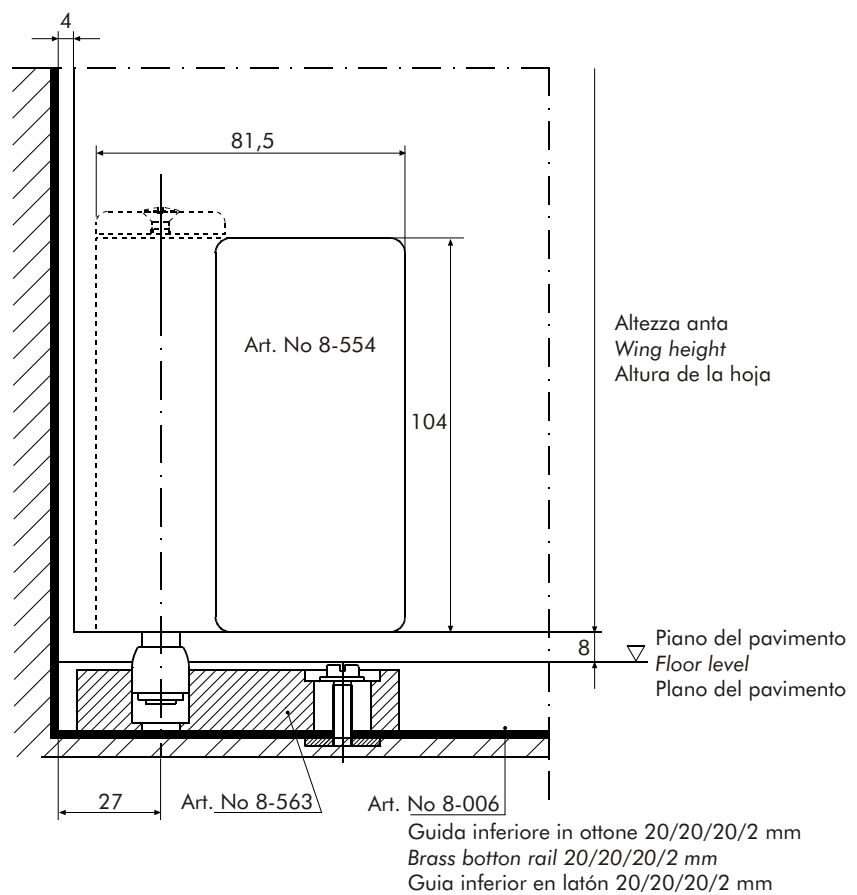
Sezione verticale inferiore
Bottom vertical section
Seccion verical inferior





Dettaglio superiore dell'anta N° 1
Upper detail of wing N° 1
Detalle superior de la hoja N° 1

Dettaglio inferiore dell'anta N° 1
Bottom detail of wing N° 1
Detalle inferior de la hoja N° 1



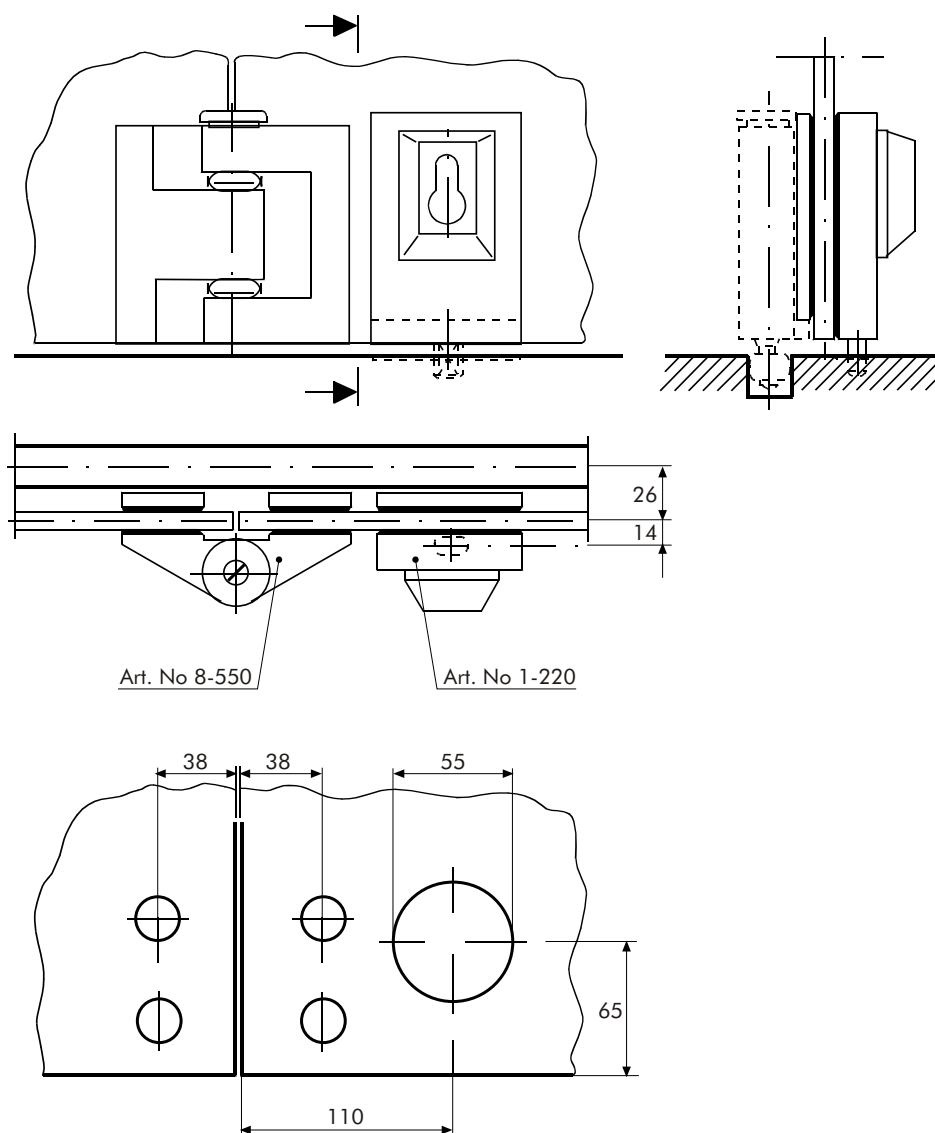
Art. N° 8-512 / Art. N° 8-514

Posizionamento della serratura esterna

Positioning of the external lock

Alojamiento de la cerradura externa

Posizionamento della serratura (Art. N° 1-220) nel caso di installazioni a 2 o 4 ante che necessitano l'accesso alla chiusura dall'esterno.
Positioning of the lock (Art. N° 1-220) in case of installations of 2 or 4 wings where locking is required from the outside.
Alojamiento de la cerradura (Art. N° 1-220) en el caso de instalaciones de 2 o 4 hojas que necesitan cerrar desde el exterior.



IMPORTANTE: La serratura sarà posizionata come da disegno sostituendo l'accessorio Art. N° 8-553 con l'articolo 8-550.
IMPORTANT: The lock has to be placed according to the above drawing substituting the fitting Art. N° 8-553 with the fitting Art. N° 8-550.
IMPORTANTE: La cerradura se instalará como el diseño sustituyendo el accesorio Art. N° 8-553 con el accesorio Art. N° 8-550.

Barra di supporto allo scorrimento
in acciaio inossidabile.
Stainless steel roller's supporting rod.
Barra de soporte para el
deslizamiento en acero inoxidable.

Guida superiore in alluminio.
Aluminium upper track.
Guia superior en aluminio.

Rullo di scorrimento a cuscinetti.
Roller bearing.
Rodillo de deslizamiento a cojinetes.

Cerniera superiore di scorrimento in alluminio.
Aluminium top sliding patch fitting.
Bisagra superior de deslizamiento en aluminio.

Cuscinetto assiale cromato.
Chromed axial bearings finish.
Cojinete axial cromado.

Albero di rotazione in acciaio inossidabile Ø16 mm.
16 mm stainless steel shaft.
Arbol de rotacion en acero inoxidable Ø16 mm.



CASMA S.p.A.
Via Primo Maggio, 86 - 20013 MAGENTA (MI) - Italy
ph. +39 02 97298418 - fax. +39 02 97299006
www.casma.com - e-mail: casma@casma.it

***CASMA si riserva il diritto
di modificare i propri prodotti senza preavviso.***

***CASMA reserves the right
to make modifications without notice.***

***CASMA se reserva el derecho
de hacer modificaciones sin previo aviso.***