

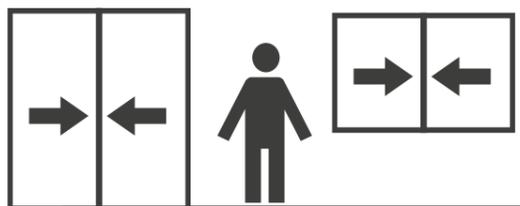


PARALLEL SLIDING

 Made in Italy

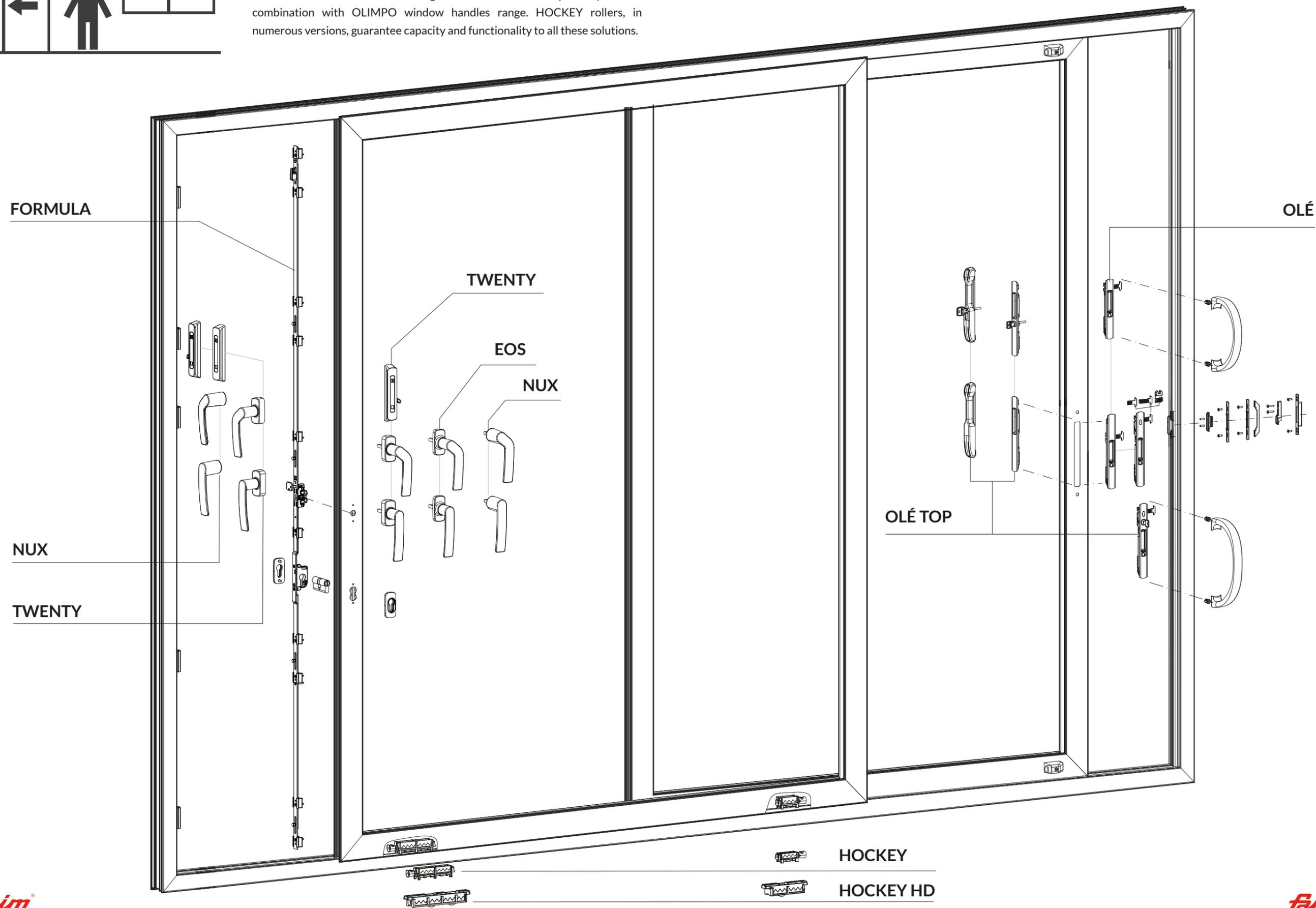
fapim[®]

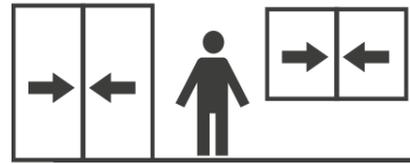
Life in evolution



SLIDING PARALLEL

FAPIM offers a wide range of solutions for traditional sliding doors and windows. From OLE' handles range to FORMULA multipoint system in combination with OLIMPO window handles range. HOCKEY rollers, in numerous versions, guarantee capacity and functionality to all these solutions.



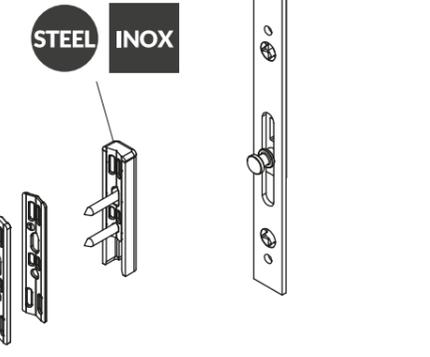
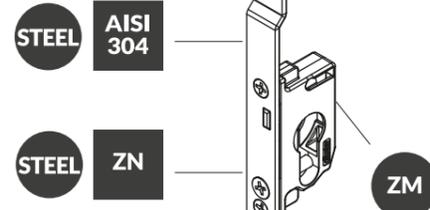
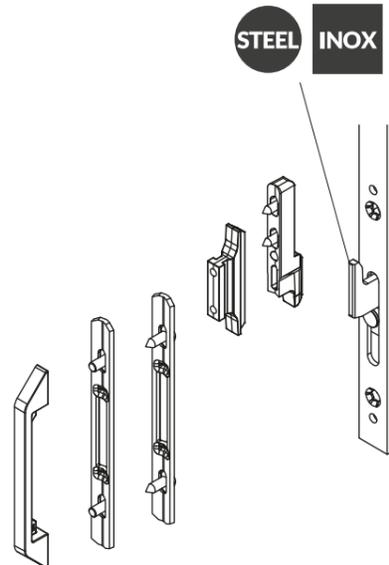
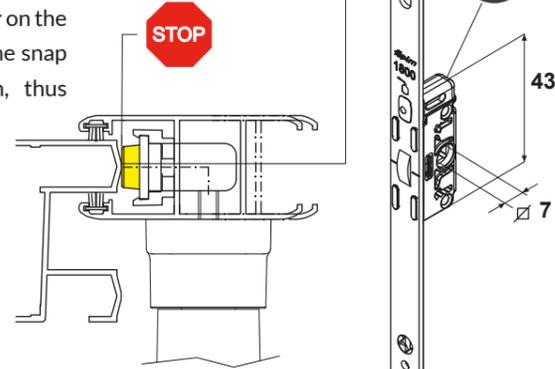


FOMULA

FORMULA is the universal multipoint lock system made in five lengths from 280 to 1800mm, all available in 7, 17 and 21mm backsets, both in stainless steel and galvanized steel. The available locks are with 8mm pin and 13 and 16mm hooks, equipped with dedicated strikers. The offer is completed by the versions with European cylinder and with pre-mounted anti-mishandling kit.

LIMIT SWITCH BUFFER

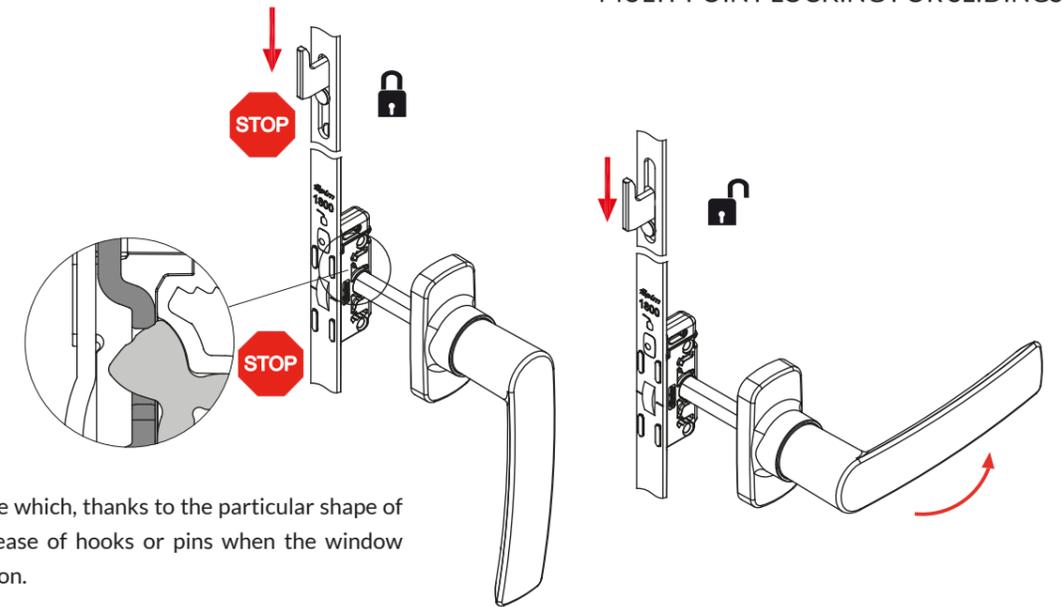
In addition to cushioning the impact of the door on the frame, it compensates for any play between the snap and the striker due to thermal expansion, thus ensuring optimal closure of the frame.



PATENTED

ANTI-BURGLARY

Patented anti-burglary device which, thanks to the particular shape of the pinion, prevents the release of hooks or pins when the window handles is in the closed position.



EXTENSIONS

Two models of extensions are available with one or two locking points, offered in stainless steel or galvanized steel versions, with pin or hooks. Useful for adding locking points to the frame or lowering the position of the operating handle in the window.



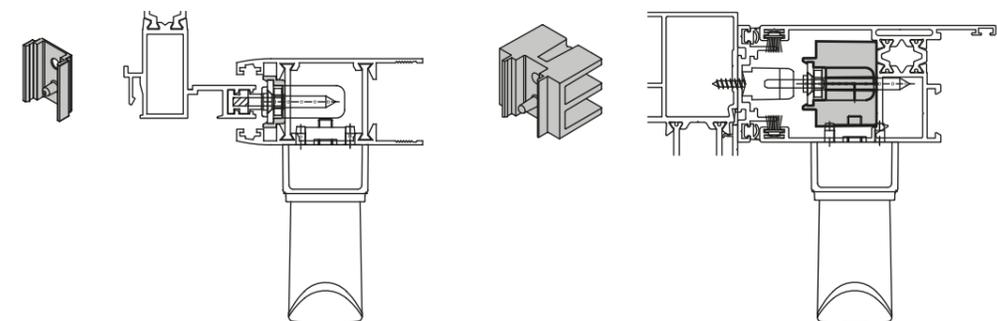
FORMULA

MULTI-POINT LOCKING FOR SLIDINGS



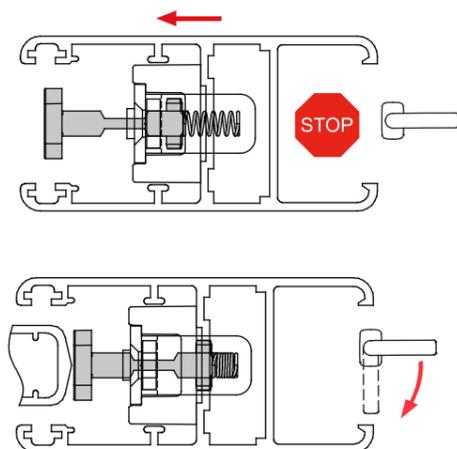
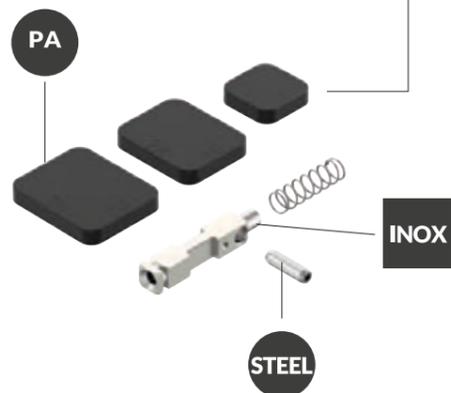
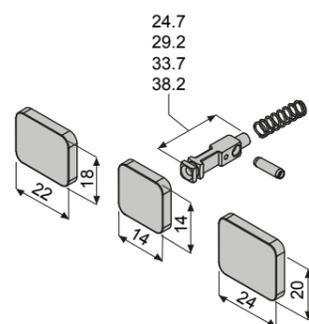
ADAPTERS

There are numerous polyamide adapters available to ensure the lock can be fitted to commercially available profiles. The adapters are also supplied in kits together with the keeper for the pin.



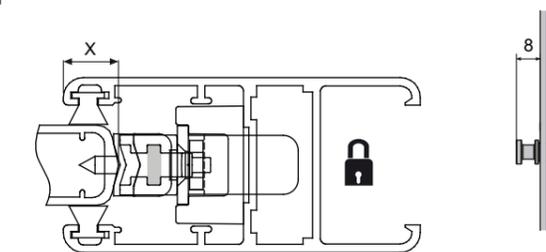
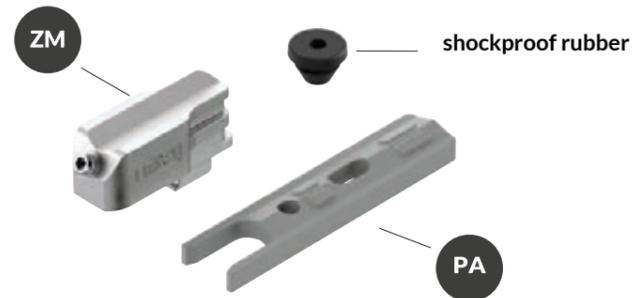
ANTI - MISHANDLING DEVICE

The anti-mishandling kit prevents the lock from being operated incorrectly when the door is open, thus avoiding damaging the mechanism. Its AISI 303 stainless steel pin is available in different lengths and the rubber ending part is supplied in three sizes with 5 possible applications for greater versatility.



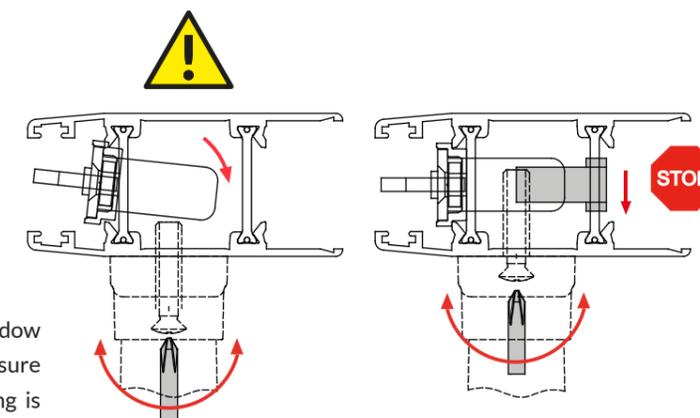
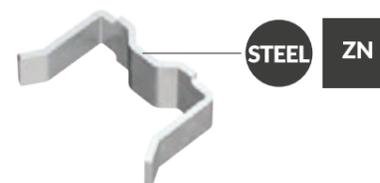
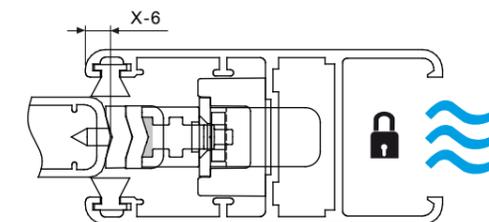
FORMULA

MULTI-POINT LOCKING FOR SLIDINGS



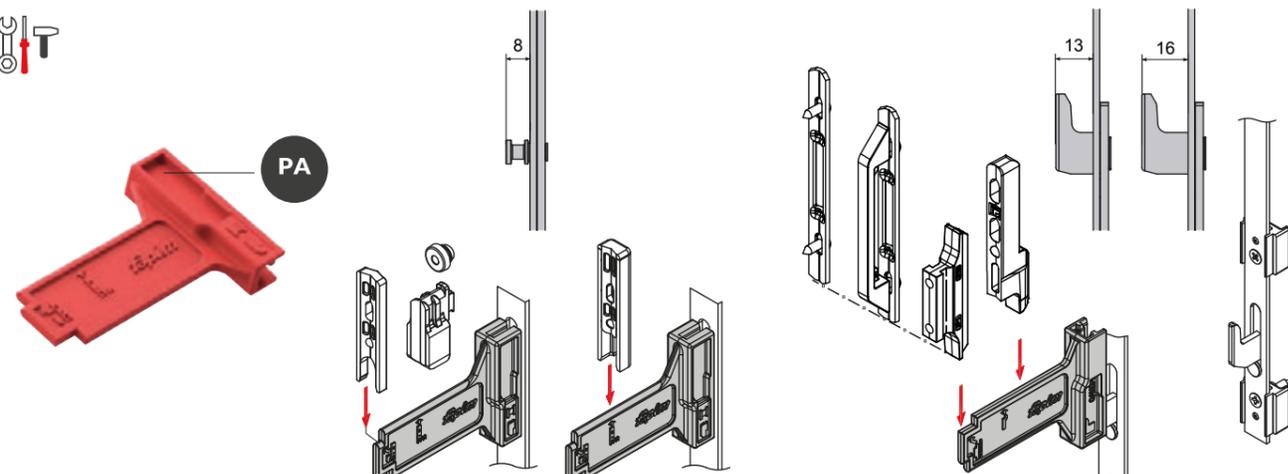
MICROVENTILATION DEVICE

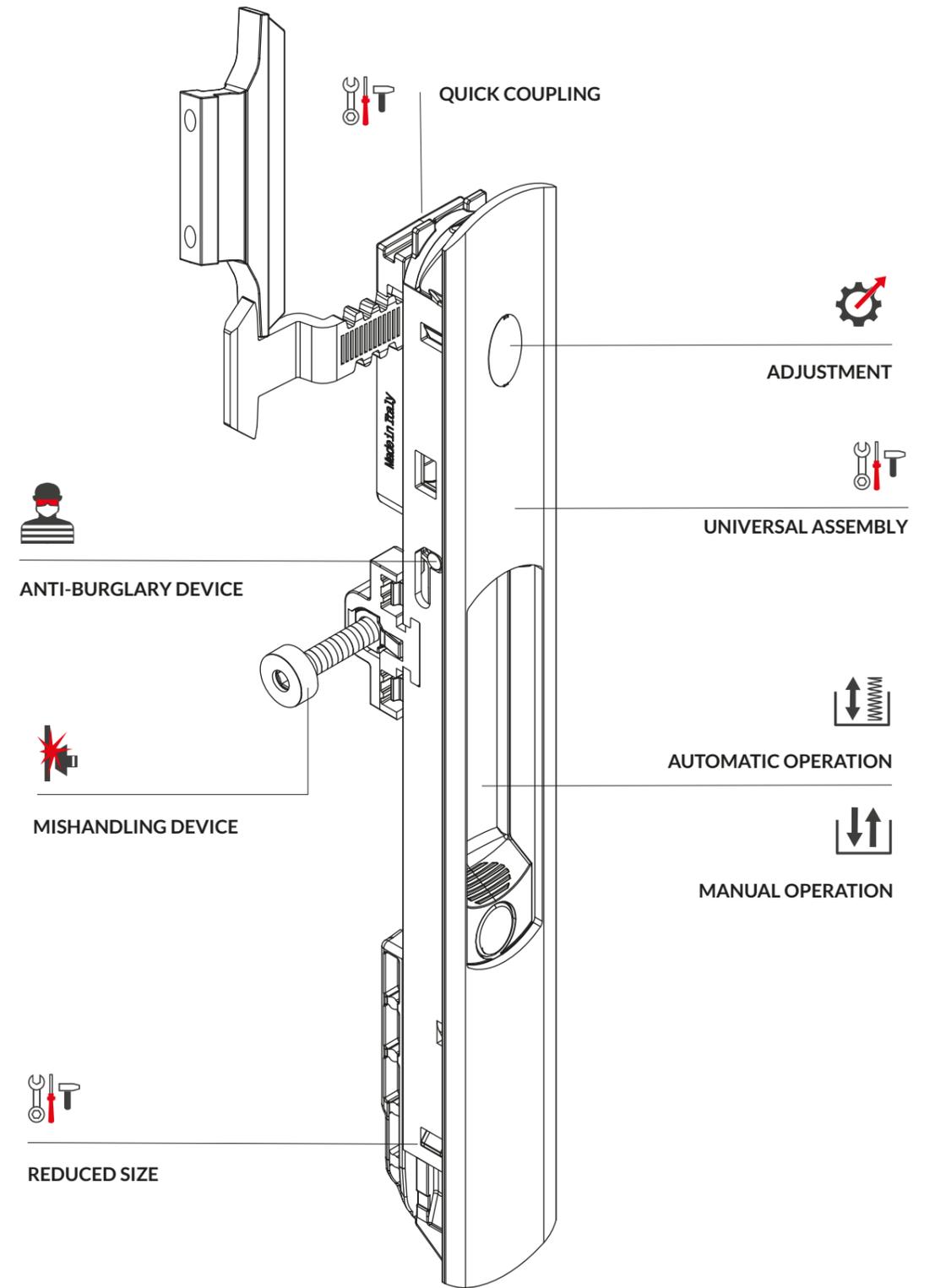
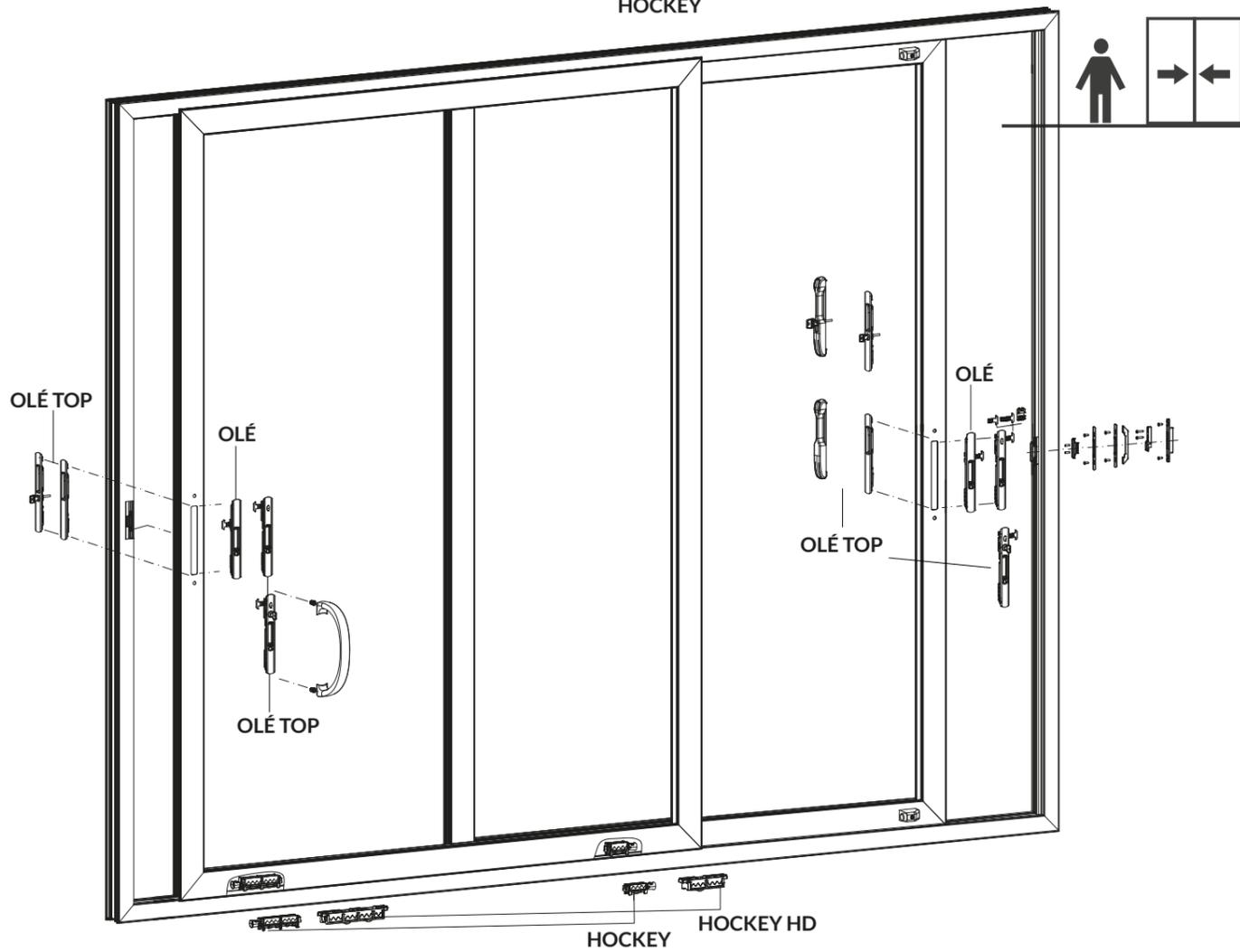
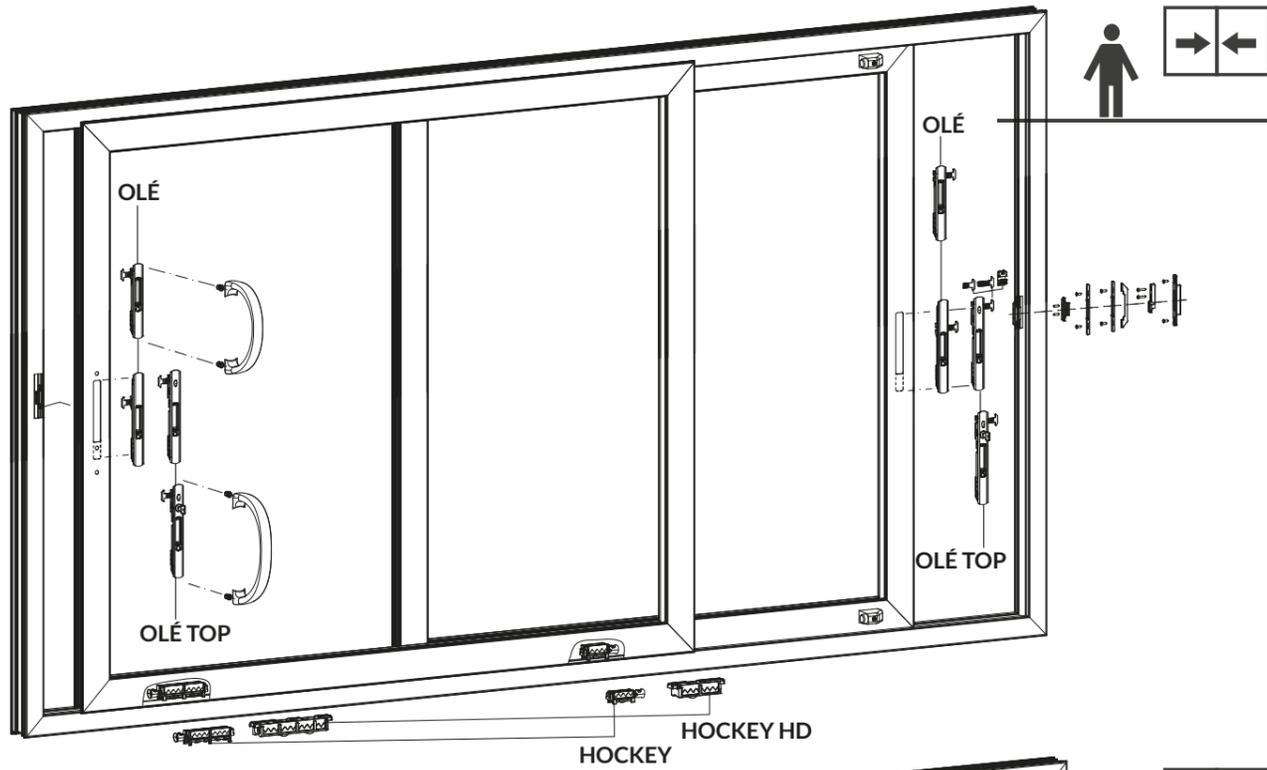
The ventilation kit allows for light ventilation of the rooms while keeping the door ajar for approximately 6 mm. It is in galvanized zama with fixing grub screw, equipped with a shim for keeper and a limit stop buffer, both in polyamide. The kit is applicable only on locks with an 8 mm pin.



ALIGNMENT SQUARE

The alignment square is useful in case of direct fixing of the window handle on the mechanism, to avoid incorrect positioning and ensure stable fixing without the need for additional spacers. The fixing is snap-on with adjustment to four different positions.

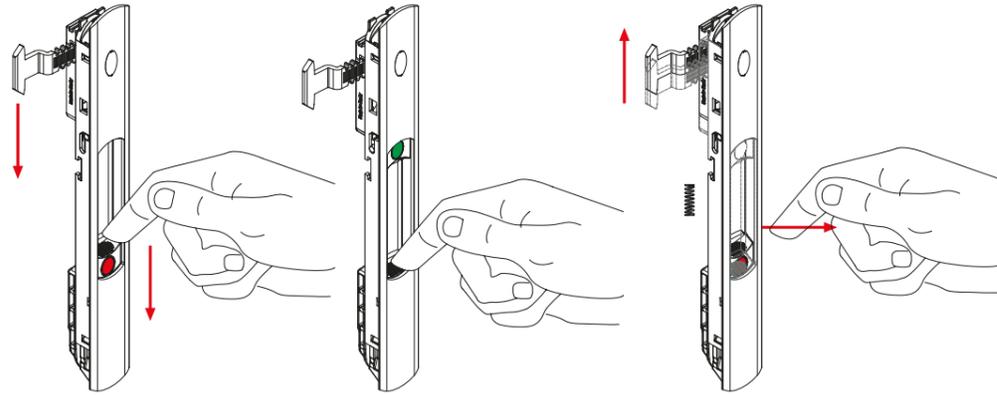






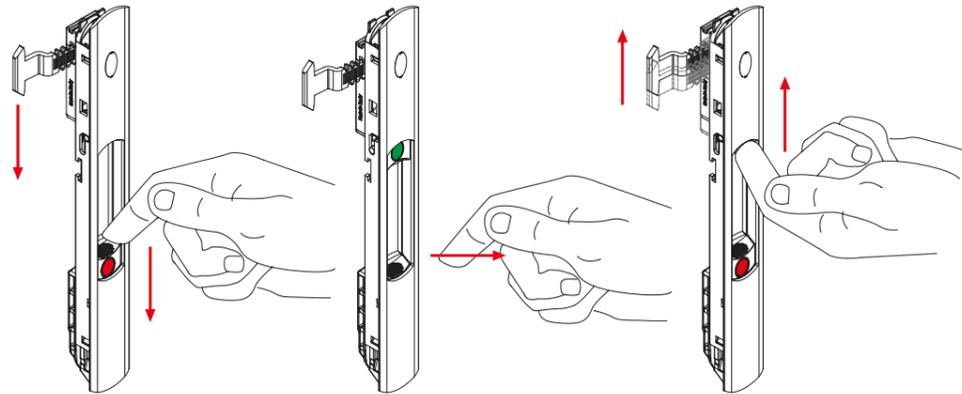
AUTOMATIC OPERATION

The handles are equipped with a spring mechanism that allows the automatic closing without intervention on the handle.



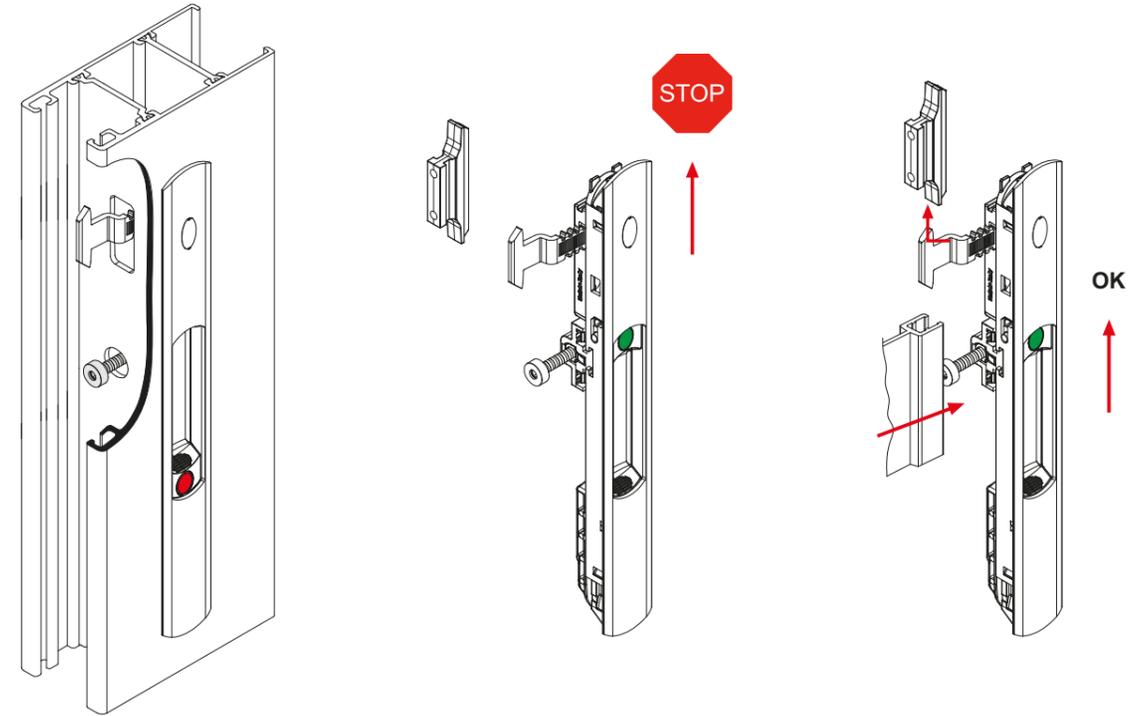
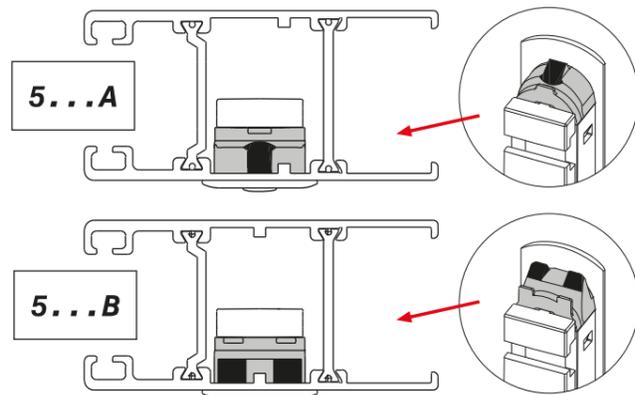
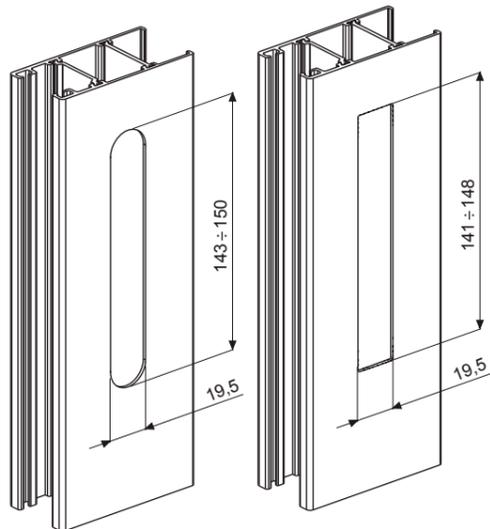
MANUAL OPERATION

The handles can be set for the manual operation, that is the closing is achieved only through the direct intervention on the handle.



UNIVERSAL ASSEMBLY

The spring mounting system, combined with the particular shape of the fixing end allow the application on both rectangular and round processing, with a tolerance of about 7mm as to the length. There are two versions of coupling, with one or two teeth, that allow maximum flexibility to fixing.



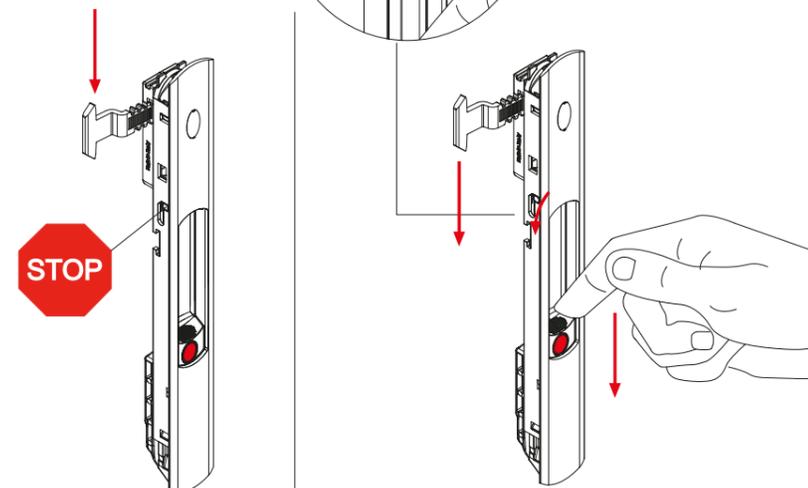
MISHANDLING DEVICE

The mishandling device prevents collisions between the hook and the keeper and subsequent damage or malfunction. It is supplied as an option and is compatible with the anti-theft device.



ANTI-BURGLARY DEVICE

The anti-theft device prevents the movement of the hook when the sliding handle is in the closed position. It is fitted as standard in the Ole Top models and is compatible with the mishandling mechanism. It is made of metal to ensuring the highest strength and reliability.

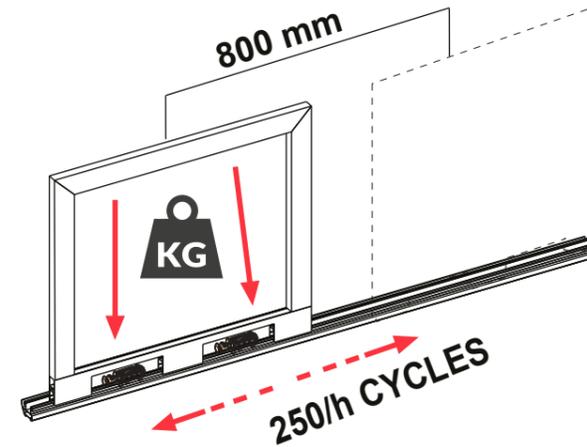


HOCKEY adjustable roller compliant with EN 13126-15:2008 and available in one and two wheel versions, for a wide range of profiles. Equipped with body and adjustment slide in nylon loaded with glass fiber and adjustment and fixing screws in stainless steel. The wheels, available in various shapes and sizes, can be made of Delrin or stainless steel with roller bearings, or in nylon with ball bearings, all with rotation axis in tempered steel.



EN 13126-15:2008

Durability test



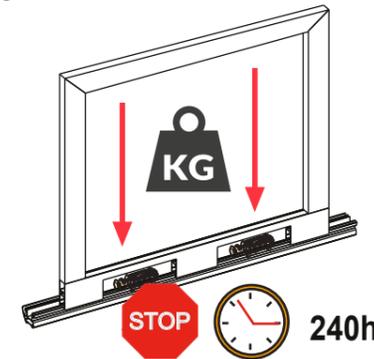
		CL. 3 10.000 Cycles	CL. 4 15.000 Cycles	CL. 5 25.000 Cycles
1RR		Kg 90	Kg 80	Kg 70
		Kg 90	Kg 80	Kg 70
		Kg 75	Kg 65	Kg 60
		Kg 75	Kg 65	Kg 60
2RR		Kg 180	Kg 160	Kg 140
		Kg 180	Kg 160	Kg 140
		Kg 130	Kg 120	Kg 100
		Kg 100	Kg 90	Kg 70

1RR

2RR

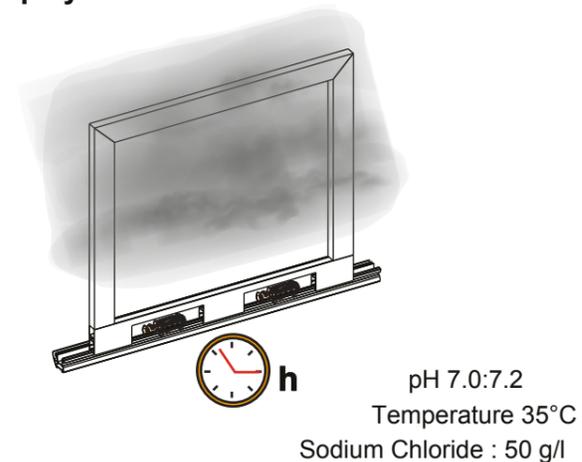
- DELTRIN WHEEL WITH ROLLER BEARING**
- STAINLESS STEEL WHEEL WITH ROLLER BEARING**
- NYLON WHEEL WITH BALL BEARING**
- DELTRIN WHEEL WITHOUT ROLLER BEARING**

Trial static



1RR	Kg 90	Kg 90	Kg 75	Kg 75
2RR	Kg 150	Kg 150	Kg 130	Kg 120

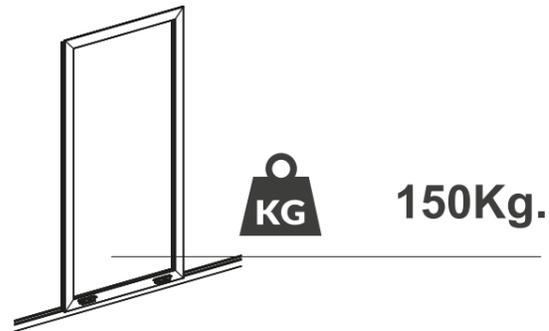
Salt spray corrosion test



1RR		240 h (GRADE 4) UNI EN 1670:2007
2RR		480 h (GRADE 5) UNI EN 1670:2007

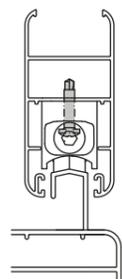
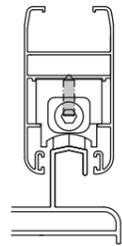
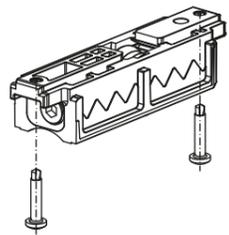
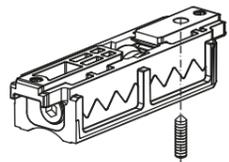
HOCKEY HD adjustable roller with high capacity, ideal for large sliding windows and doors, compliant with EN 13126-15:2008, is available in one and two wheel versions. The body and the adjustment slide are in nylon loaded with glass fiber, the fixing is done with screws or stainless steel grub screw. The wheels, available in various shapes and sizes, are made of Delrin with roller bearings with rotation axis in tempered steel.

EN 13126-15:2008



150Kg.

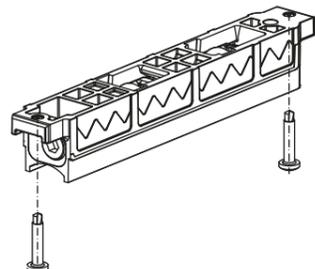
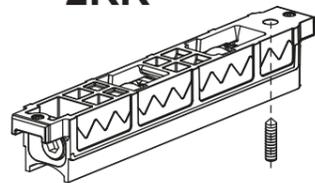
1RR



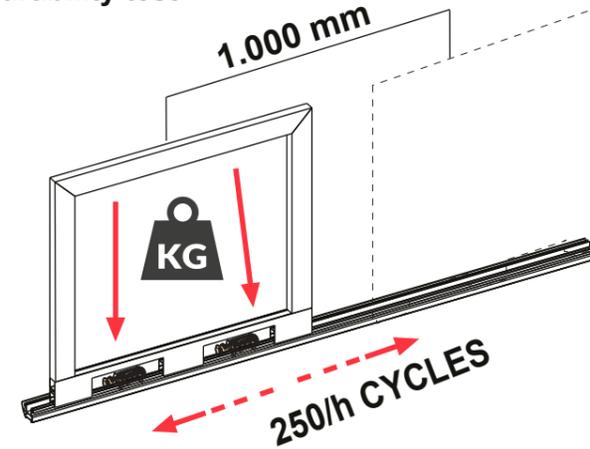
300Kg.

KG

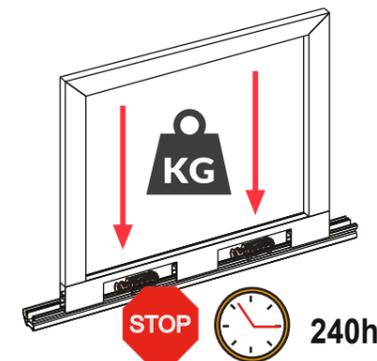
2RR



Durability test



Trial static

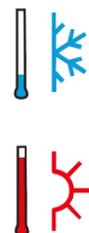
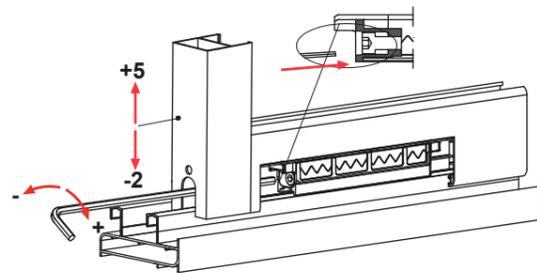
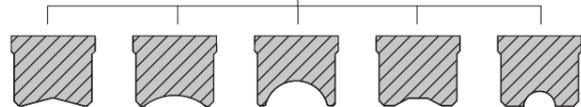
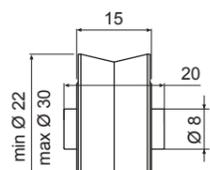


	H1 5.000 Cycles	H2 10.000 Cycles	H3 20.000 Cycles
1RR	kg 150	kg 140	kg 125
2RR	kg 300	kg 280	kg 250

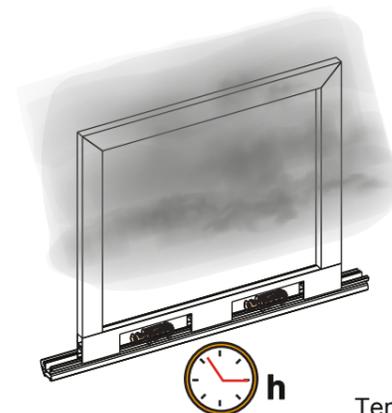
1RR	kg 150
2RR	kg 300



DELRIN WHEEL WITH ROLLER BEARING



Salt spray corrosion test



pH 7.0:7.2
Temperature 35°C
Sodium Chloride : 50 g/l

1RR	240 h (GRADE 4) UNI EN 1670:2007
2RR	

IDENTIFICATION SYMBOLS

No. PCS PER PACKAGING



n° pz. in confezione
q.té de pièces par unité de vente
cantidad de piezas por embalaje
n.º peças na embalagem
stck. anz. in verpackung

aantal stuks per verpakking
ilość sztuk w opakowaniu
αρ. τεμαχίων στη συσκευασία
количество штук в упаковке
broj komada u pakovanju
包装数量

APPLICATION DISTANCE BETWEEN CENTERS



interesse d'applicazione
entraxe d'application
interje de aplicacion
distancia de aplicação
anwendungs achsenabstand

toepasselijke hartafstand
rozstaw zastosowania
απόσταση κέντρου εφαρμογής
междцентровое расстояние
medijosni razmak za bušenje rupa
中心距

ASSEMBLY FEATURES



istruzioni di montaggio
caractéristiques de l'assemblage
características de montaje
características de montaje
montageeigenschaften

assemblage karakteristieken
cechy montażowe
ιδιότητες εφαρμογής
особенности монтажа
osobnosti montaže
裝配說明

AUTOMATIC MOVEMENT



movimento automatico
mouvement automatique
movimiento automático
movimento automático
automatski pokret
automatik uhrwerk

automatisch uurwerk
automatyczne przenoszenie
αυτοματη κίνηση
автоматическое движение
automatski pokret
组裝特点

MANUAL MOVEMENT



movimento manuale
mouvement manuel
movimiento manual
movimento manual
handbuch uhrwerk

handboek uurwerk
ręczny przenoszenie
χειροκίνητη κίνηση
руководство движения
manuelni pokret
手动移动

ANTITHEFT



antieffrazione
anti-effraction
antirobo
anti-efração
einbruchhemmung

inbraakwering
przeciw-włamaniowe
ασφαλείας
противовзломность
protivprovalnost
防盜裝置

ADJUSTABLE



possibilità di regolazione
possibilité de réglage
posibilidad de regulación
possibilidade de regulação
regulierungsmöglichkeit

afstelbaarheid
możliwość regulacji
δυνατότητα ρυθμίσεως
позволяет регулирование
możliwość regulacji
可调节

ANTI-MISHANDLING DEVICE



anti falsamanovra
anti-fausse manoeuvre
elemento de bloqueo de maniobra
elemento de bloqueio de manobra
anti-fehler-betrieb

antifoutbediening
przeciw fałszywemu ruchowi klamki
μηχανισμός προστασίας κλειδαριάς
предупреждение ложного срабатывания
osiguranje logičnog funkcionisanja
防誤操作

MAXIMUM CAPACITY



portata massima
rango máximo
portée maximale
alcance máximo
maximaal bereik

maximale Reichweite
maksymalny zasięg
максимальная дальность
μέγιστη εμβέλεια
максимални домет
最大範圍

TILT-BEFORE-TURN MECHANISM



meccanismo ribalta-anta
mécanisme oscillo-battant inversé
mecanismo de maniobra lógica
mecanismo batente-oscilo
kippdrehbeschlag

mechanismus-kipdraai
mechanizm rozwierno uchylny
μηχανισμός ανακλινοσυνιόμενου
механизм откидно/поворотного открывания
mechanizam zaokretno-otklopnog otvaranja
先内倒后平开机制

APPLICATION LIMITS



limiti d'impiego
limites d'emploi
limitacion de utilizacion
limites de utilização
einsatzgrenzen

gebruiksgrenzen
ograniczenia w zastosowaniu
όρια εφαρμογής
ограничения применения
grance aplicacije
使用限制

VENTILATION KIT



kit di aerazione
kit de ventilation
kit de ventilación
kit de ventilação
ventilatie kit

belüftungssset
zestaw napowietrzający
kit εξαερισμού
комплект вентиляции
комплект за вентиляцију
通风套件

THERMAL INSULATION



isolamento termico
isolation thermique
aislamiento térmico
isolamento térmico
termoizolacija
隔熱

thermische isolatie
izolacja cieplna
θερμική μόνωση
теплопроводность
termoizolacija
隔熱

DELRIN WHEEL WITH ROLLER BEARING



ruota in delrin con cuscinetto a rulli
roue en delrin avec palier à rouleaux
rueda en delrin con rodamiento de rodillos
roda de delrin com cojinete de ruletes
rad aus delrin und nadellager

delrin wiel en naaldlager
kól delrin i łożysko rolkowe
delrin τροχός με ρολεμάν κυλινδρών
делрин ролик с роликовым подшипником
delrin točak sa valjkastim ležaj
滑輪(滾針軸承)

STAINLESS STEEL WHEEL WITH ROLLER BEARING



ruota in acciaio inox con cuscinetto a rulli
roue en acier inox avec palier à rouleaux
rueda inox con rodamiento de rodillos
roda en aço inox com cojinete de ruletes
rad aus rostfrei stahl und nadellager

roestvrij staal wiel en naaldlager
kól ze stali nierdzewnej i łożysko rolkowe
τροχός από ανοξείδωτο χάλυβα με ρολεμάν κυλινδρών
ролик из нержавеющей стали с роликовым подшипником
točak od nerđajućeg čelika sa valjkastim ležaj
不銹鋼滑輪(滾針軸承)

NYLON WHEEL WITH BALL BEARING



ruota in nylon con cuscinetto a sfere
roue en nylon avec palier à billes
rueda en nylon con rodamiento de bolas
roda de nylon com cojinete de esferas
rad aus nylon und kugellager

nylon wiel en kogellager
kól nylon i łożysko kulkowe
νιλον τροχός με ρολεμάν μπάλα
нейлоновый ролик с шариковым подшипником
nylon točak sa loptom ležaj
尼龙滑輪(滾珠軸承)

DELRIN WHEEL WITHOUT ROLLER BEARING



ruota in delrin senza cuscinetto a rulli
roue en delrin sans palier à rouleaux
rueda en delrin sin rodamiento de rodillos
roda de delrin sem cojinete de ruletes
rad aus delrin ohne nadellager

delrin wiel zonder naaldlager
kól delrin bez łożysko rolkowe
delrin τροχός χωρίς ρολεμάν κυλινδρών
делрин ролик без роликовым подшипником
delrin točak bez valjkastim ležaj
滑輪(无軸承)

ZAMAK



zama
zamak
zamak
zamak
zamak

zamak
zamak
zamak
алюминиевый сплав
aluminijumski odlivak
鋅合金

STEEL



acciaio
acier
acero
aço
stehlen

staal
stal
ατσάλι
сталь
čelik
鋼

POLYAMIDE



poliammide
polyamide
polyamidas
polyamide
poliamid

polyamide
πολυαμιδιο
детали из полиамида
полиамида
poliamid
聚酰胺(尼龙)

STAINLESS STEEL



acciaio inox
acier inox
acero inoxidable
aço inoxidável
edelstahl

stal nierdzewna
ανοξείδωτο ατσάλι
ανοξείδωτο ατσάλι
нержавеющая сталь
čelik inox
不銹鋼

GALVANISING



zincatura
galvanising
galvanizado
ocynk
zincagem

verzinkung
zincagem
verzinkung
galvanisatie
镀锌: 镀锌表面处理

AISI 304 STAINLESS STEEL



acciaio inossidabile aisi 304
acier inox aisi 304
acero inoxidable aisi 304
aço inoxidável aisi 304
edelstahl aisi 304

roestvrij staal aisi 304
stal nierdzewna aisi 304
ανοξείδωτο ατσάλι aisi 304
нержавеющая сталь aisi 304
nehrđajući čelik aisi 304
AISI 304 不銹鋼

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