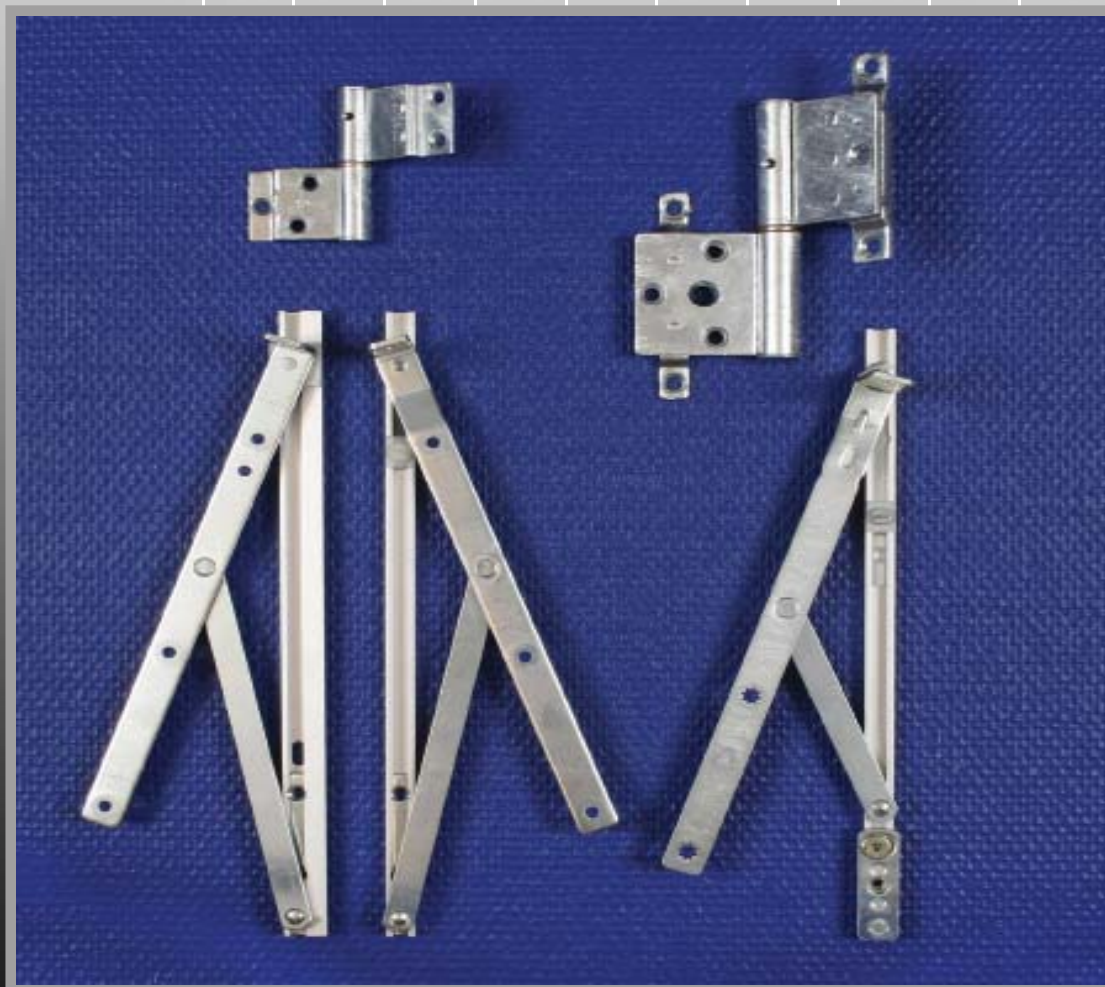


# IPA FITTINGS

## FOR

### COTO 48 + COTO 62



2023



**A/S J. PETERSENS BESLAGFABRIK**

JACOB PETERSENSVEJ 9, DK-9240 NIBE

TEL: (+45) 98 35 15 00







# FITTINGS FOR COTO 48 + 62

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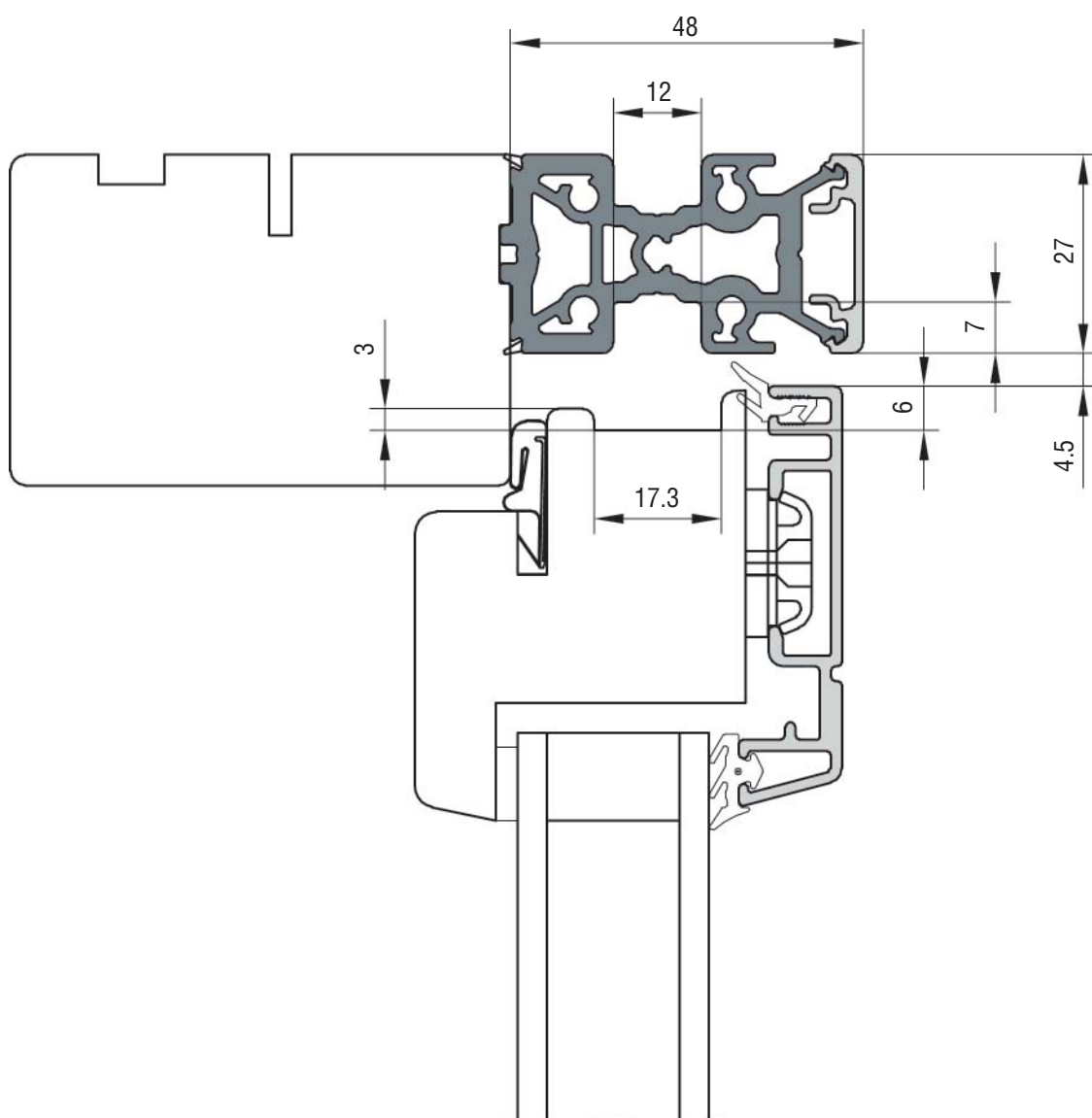
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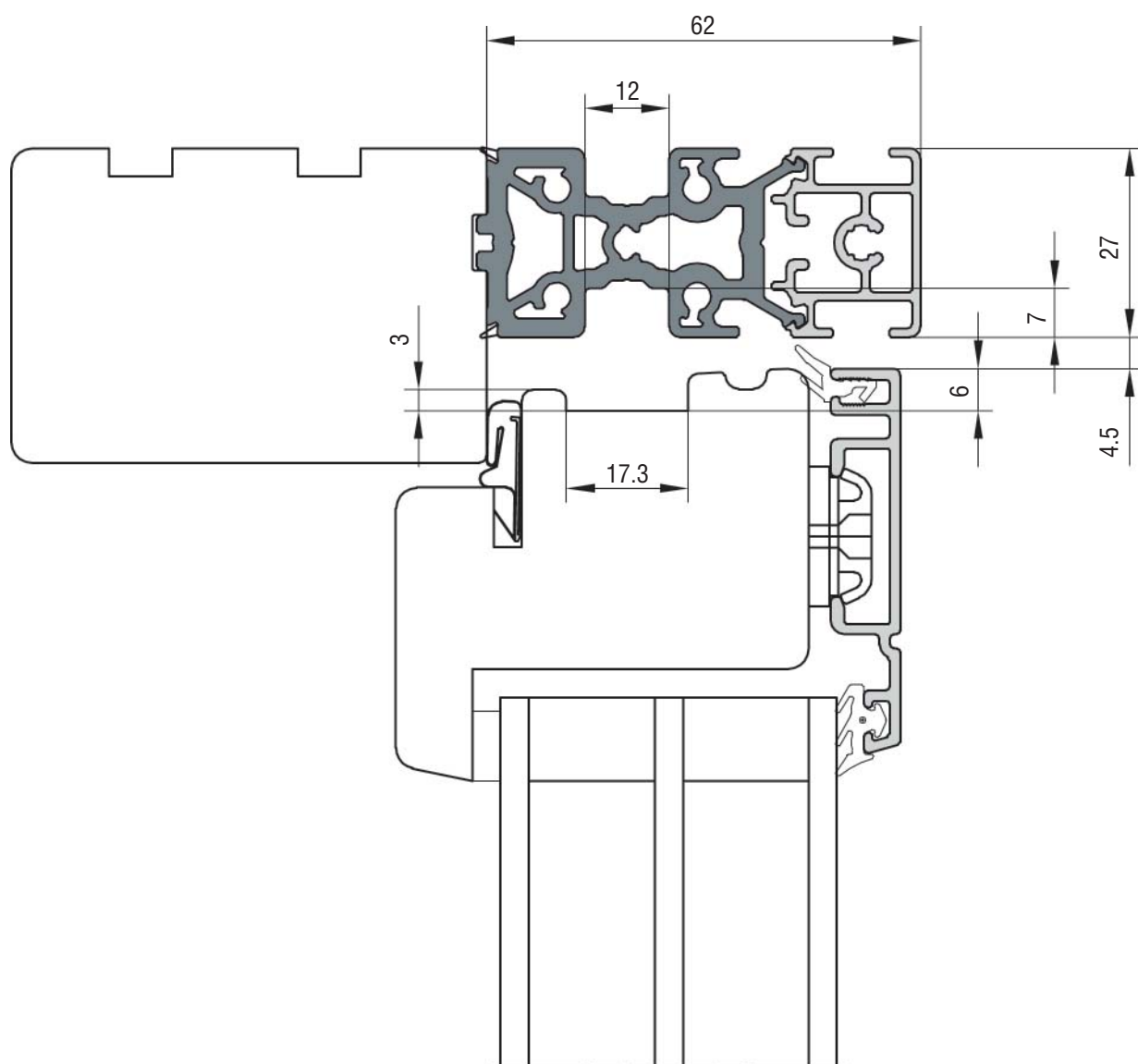


# COTO 48 PROFILE





# COTO 62 PROFILE





## SUGGESTION - NUMBER OF HINGES

The chart below shows the number of hinges, we suggest to use on different sizes of windows and doors. The chart shall ONLY be considered as a guidance, as the number of hinges also will depend on the use and weight of the window/door. If the window/door is mounted in a public building with many users (Schools, Railway Stations etc.) then more or even larger hinges are recommended.

Also we suggest to use a support fitting whenever possible.

**WINDOW HINGES:** Valid for the window hinges shown in this catalogue.

All window hinges meet the requirements of class 9 (60 Kgs.) in accordance with DS/EN 1935. The numbers in brackets are the number of hinges needed in windows with 3-layer glass.

Width \ Height	500	600	700	800
1500	2 (3)	3 (3)	3 (3)	3 (4)
1400	2 (3)	3 (3)	3 (3)	3 (4)
1300	2 (3)	3 (3)	3 (3)	3 (4)
1200	2 (3)	3 (3)	3 (3)	3 (4)
1100	2 (3)	3 (3)	3 (3)	3 (3)
1000	2 (2)	2 (2)	2 (2)	3 (3)
900	2 (2)	2 (2)	2 (2)	3 (3)
800	2 (2)	2 (2)	2 (2)	3 (3)
700	2 (2)	2 (2)	2 (2)	
600	2 (2)	2 (2)		
500	2 (2)			

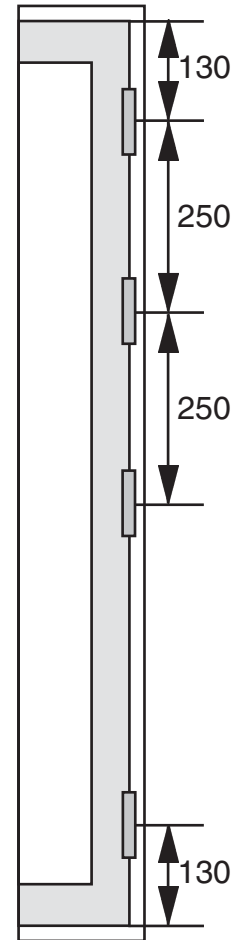
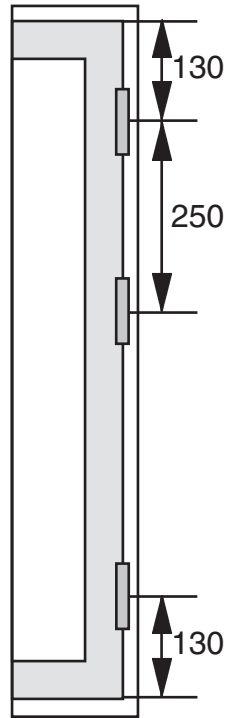
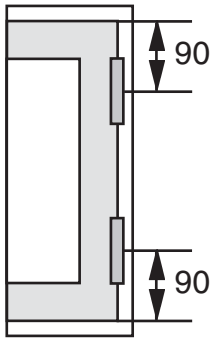
**DOOR HINGES:** Valid for the door hinges shown in this catalogue.

All door hinges meet the requirements of class 13 (120 Kgs.) in accordance with DS/EN 1935. The same door hinges with brass pin meet the requirements of class 11 (80 Kgs.) in accordance with DS/EN 1935.

Width \ Height	700	800	900	1000	1100
2600	5	5	5		
2500	5	5	5	5	
2400	4	4	4	5	5
2300	4	4	4	4	5
2200	3	3	3	4	4
2100	3	3	3	3	4
2000	3	3	3	3	4



## SUGGESTION - HINGE POSITIONS



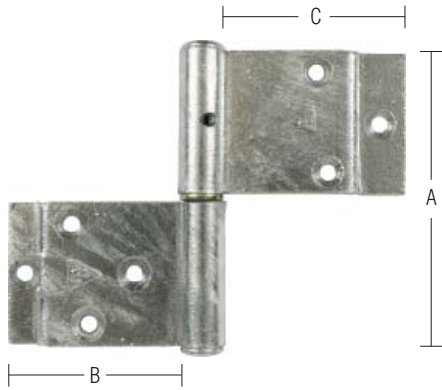
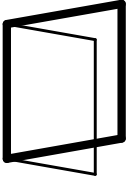


A large, empty rectangular box with a blue border, intended for writing or drawing.



# WINDOW HINGES

IPA NO. 11168-69



**11168**  
RIGHT

ORDERING NO.						A MM	B MM	C MM	MATERIAL MM	PIN MM	SCREW	WEIGHT APPROX. KGS./PC.
IPA NO.	MATERIAL	SQUARE EDGES LEFT	SQUARE EDGES RIGHT	SURFACE	INDUSTRIAL PACKING IN BOXES OF 100 PCS.							
11168	STEEL W/STEEL PIN	3	4	GALVANIZED	2	90	54	56,5	2,8	8	4,0	0,21



# IPA NO. 11168 FITTING INSTRUCTIONS

COTO 48 PROFILE:

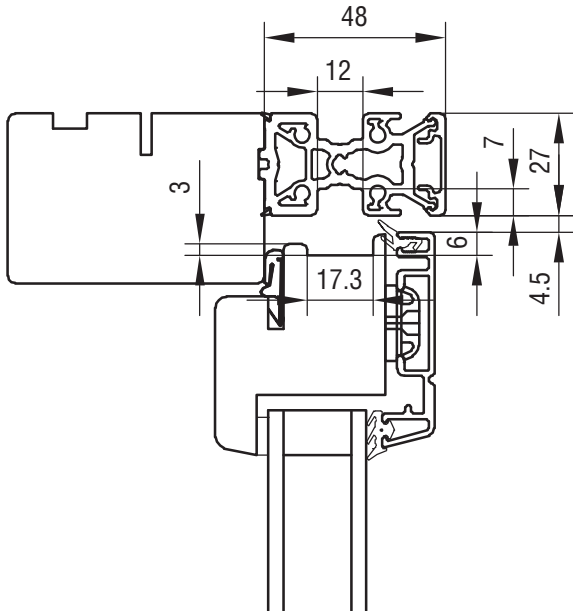


FIG. 1

COTO 62 PROFILE:

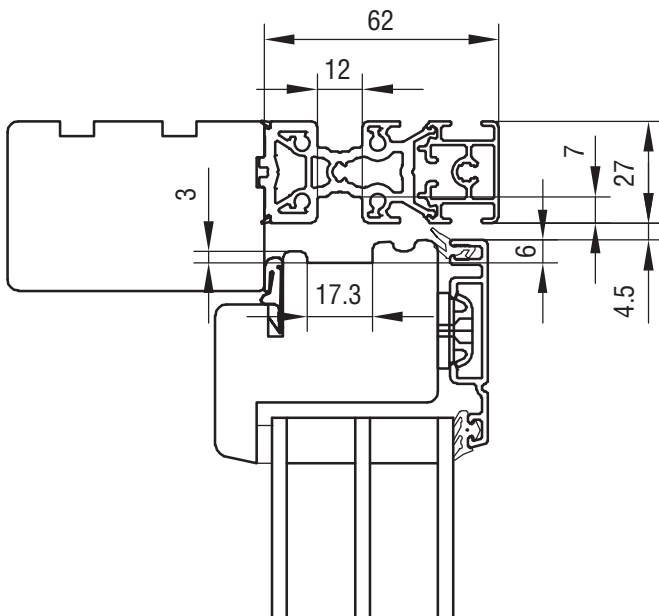


FIG. 3

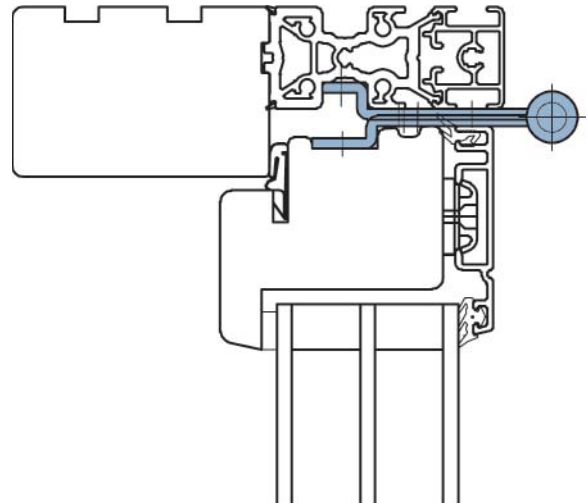


FIG. 4

IPA NO. 11168

USE SCREW NO. 4.0.

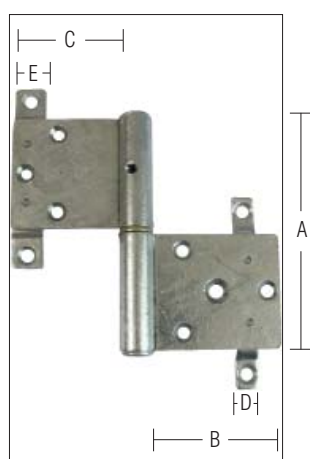
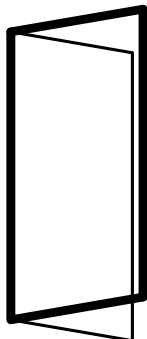
**MAINTENANCE:**

TEST THE OPERATION FROM TIME TO TIME. WHEN FITTING - GREASE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HEREAFTER GREASE MINIMUM TWICE A YEAR. SEE ALSO INSTRUCTIONS ON PAGE 27 - 28.



# DOOR HINGES

## IPA NO. 11194



**11194 + 11397-98**

LEFT

ORDERING NO.														
IPA NO.	MATE- RIAL	SQUARE EDGES LEFT	SQUARE EDGES RIGHT	SUR- FACE.	INDUSTRIAL PACKING IN BOXES OF 50 PCS.	A MM	B MM	C MM	D MM	E MM	MATERIAL MM	PIN MM	SCREW	WEIGHT APPROX. KGS./PC.
	STEEL W/STEEL PIN			GALVANIZED										
<b>11194</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>87</b>	<b>2</b>	120	66	57,5	12	17	3,8	9,5	5,0	0,27
<b>11397</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>87</b>	<b>2</b>	120	59	51,5	12	17	3,8	9,5	5,0	0,27
<b>11398</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>87</b>	<b>2</b>	120	49	41,5	12	17	3,8	9,5	5,0	0,26



# IPA NO. 11194 + 11197+98 FITTING INSTRUCTIONS

COTO 48 PROFILE:

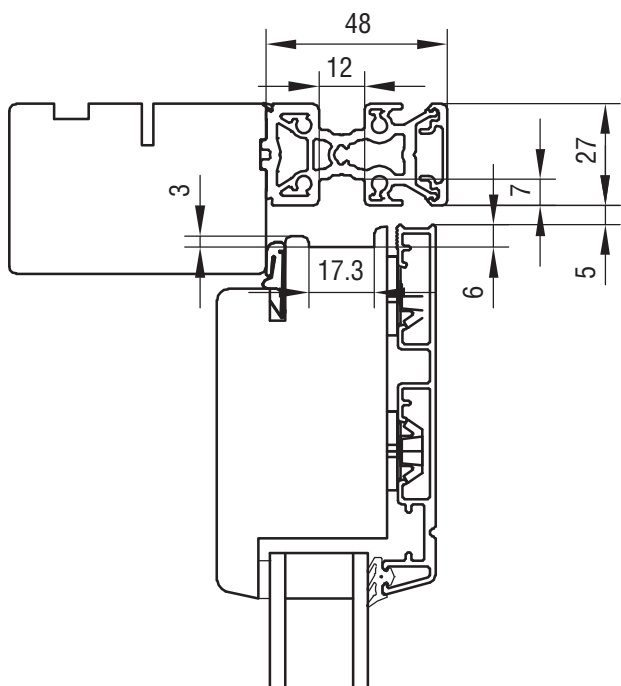


FIG. 1

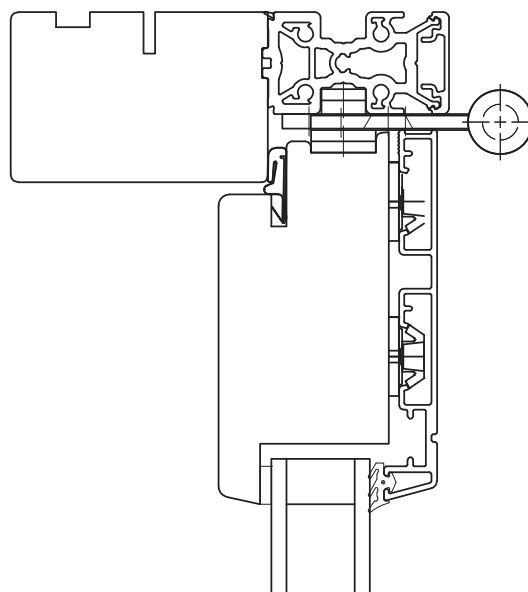


FIG. 2  
IPA NO. 11398

COTO 62 PROFILE:

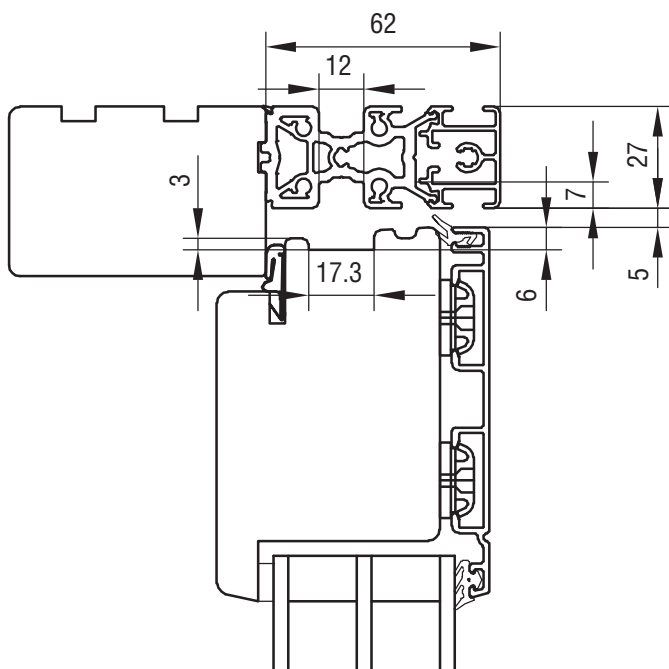


FIG. 3

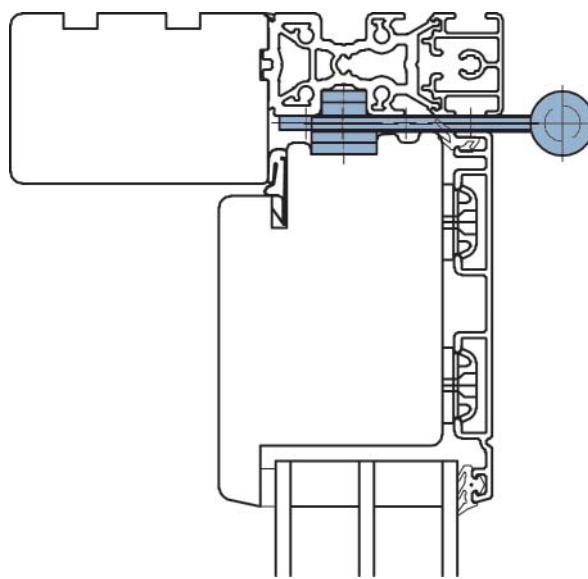


FIG. 4  
IPA NO. 11194+11397

USE SCREW NO. 5.0.

**MAINTENANCE:**

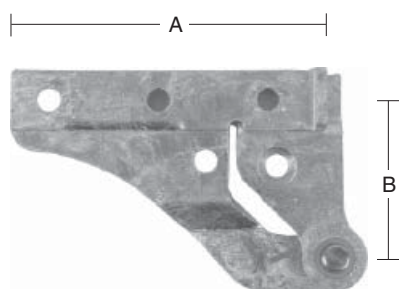
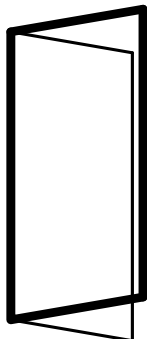
TEST THE OPERATION FROM TIME TO TIME. WHEN FITTING - GREASE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HEREAFTER GREASE MINIMUM TWICE A YEAR. SEE ALSO INSTRUCTIONS ON PAGE 27 - 28.



# DOOR HINGES

## FOR TOP MOUNTING

### IPA NO. 11904



LEFT

ORDERING NO.										
IPA NO.	MATE- RIAL			SUR- FACE	STANDARD PACKING IN BOXES OF 10 P.S.	A MM	B MM	MATERIAL MM	SCREW	WEIGHT APPROX. KGS./PC.
	STEEL	LEFT	RIGHT	GALVANIZED						
<b>11904</b>	<b>1</b>	<b>7</b>	<b>8</b>	<b>87</b>	<b>1</b>	80	57,5	2,5	4,5	0,11

TO BE USED TOGETHER WITH  
DOOR HINGE IPA NO. 11194.



# IPA NO. 11904 FITTING INSTRUCTIONS

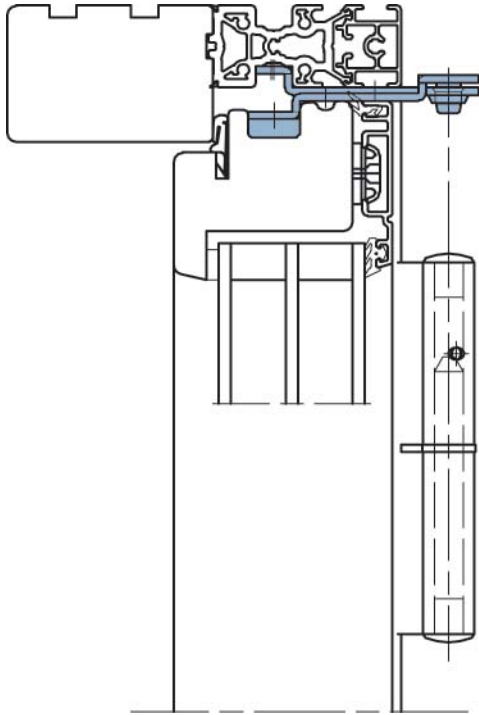


FIG. 1

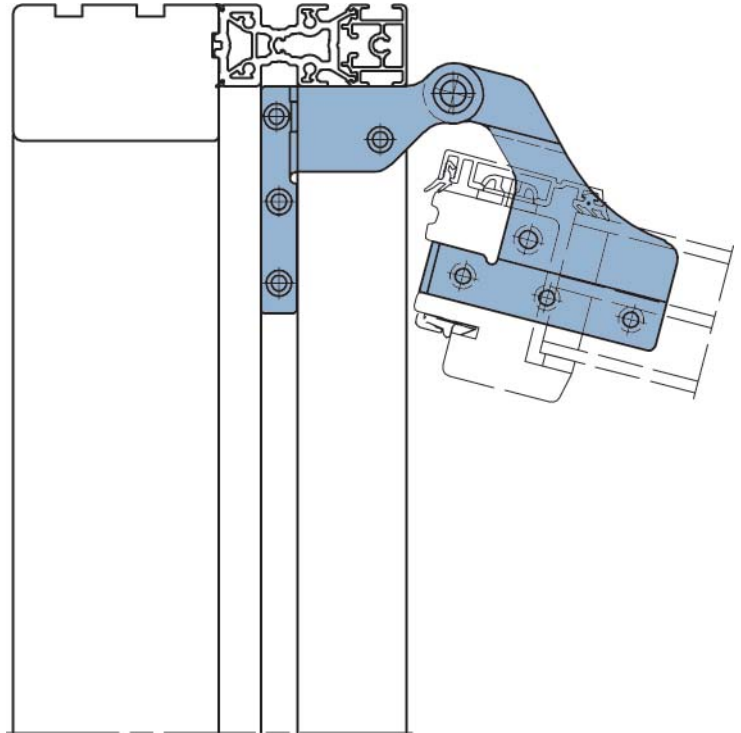


FIG. 2

IPA NO. 11904 IS MOUNTED AT THE TOP ON HINGE SIDE, AS SHOWN ON THE ILLUSTRATION.

**MAINTENANCE:**

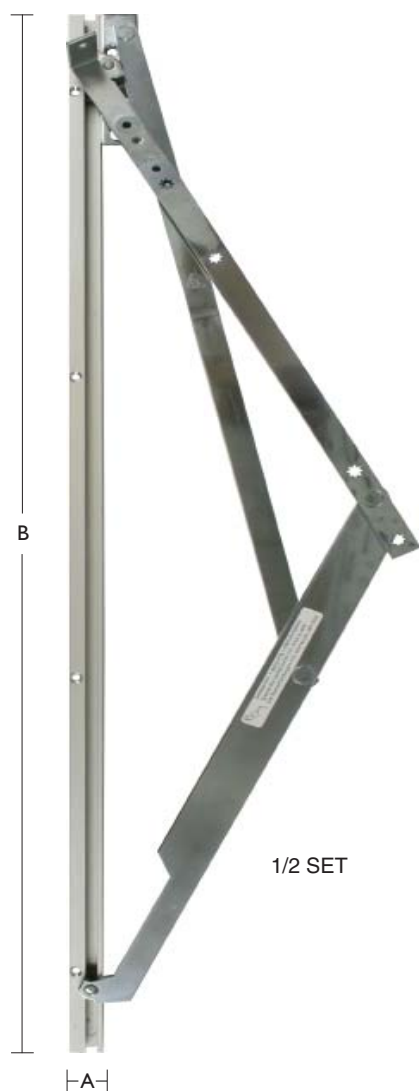
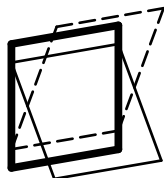
THE FITTING IS NOT TO BE PAINTED. TEST THE OPERATION FROM TIME TO TIME. WHEN FITTING - GREASE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HEREAFTER GREASE MINIMUM TWICE A YEAR. SEE ALSO INSTRUCTIONS ON PAGE 27 - 28.



# TOP SWING FITTING 180°

## WOOD/ALU

### IPA NO. 21046-52 & IPA NO. 21058



ORDERING NO.										
IPA NO.	MATE- RIAL	W/O SPECIFICATION	SUR- FACE	STANDARD PACKING IN BOXES OF 10 SETS	MODULE	A MM	B MM	FRAME DIMENSIONS INSIDE MM	SCREW	WEIGHT APPROX. KGS / SET
	STEEL		ELECTROPLATED							
<b>21046</b>	<b>1</b>	<b>0</b>	<b>21</b>	<b>1</b>	8	18	713	713 - 812	3,5 & 4,0	1,5
<b>21047</b>	<b>1</b>	<b>0</b>	<b>21</b>	<b>1</b>	9	18	813	813 - 912	3,5 & 4,0	1,7
<b>21048</b>	<b>1</b>	<b>0</b>	<b>21</b>	<b>1</b>	10	18	913	913 - 1012	3,5 & 4,0	1,9
<b>21049</b>	<b>1</b>	<b>0</b>	<b>21</b>	<b>1</b>	11	18	1013	1013 - 1112	3,5 & 4,0	2,1
<b>21050</b>	<b>1</b>	<b>0</b>	<b>21</b>	<b>1</b>	12	18	1113	1113 - 1212	3,5 & 4,0	2,3
<b>21051</b>	<b>1</b>	<b>0</b>	<b>21</b>	<b>1</b>	13	18	1213	1213 - 1312	3,5 & 4,0	2,5
<b>21052</b>	<b>1</b>	<b>0</b>	<b>21</b>	<b>1</b>	14	18	1313	1313 - 1412	3,5 & 4,0	2,7

- CONSEALED FITTING
- FULLY REVERSIBLE 170°
- OPENS CLEAR OF CURTAINS AND WINDOW FRAME
- ANODIZED ALUMINIUM RAILS

FIRE-ESCAPE OPENING:  
PLEASE SEE [WWW.IPAFITTINGS.COM/RESCUE](http://WWW.IPAFITTINGS.COM/RESCUE)

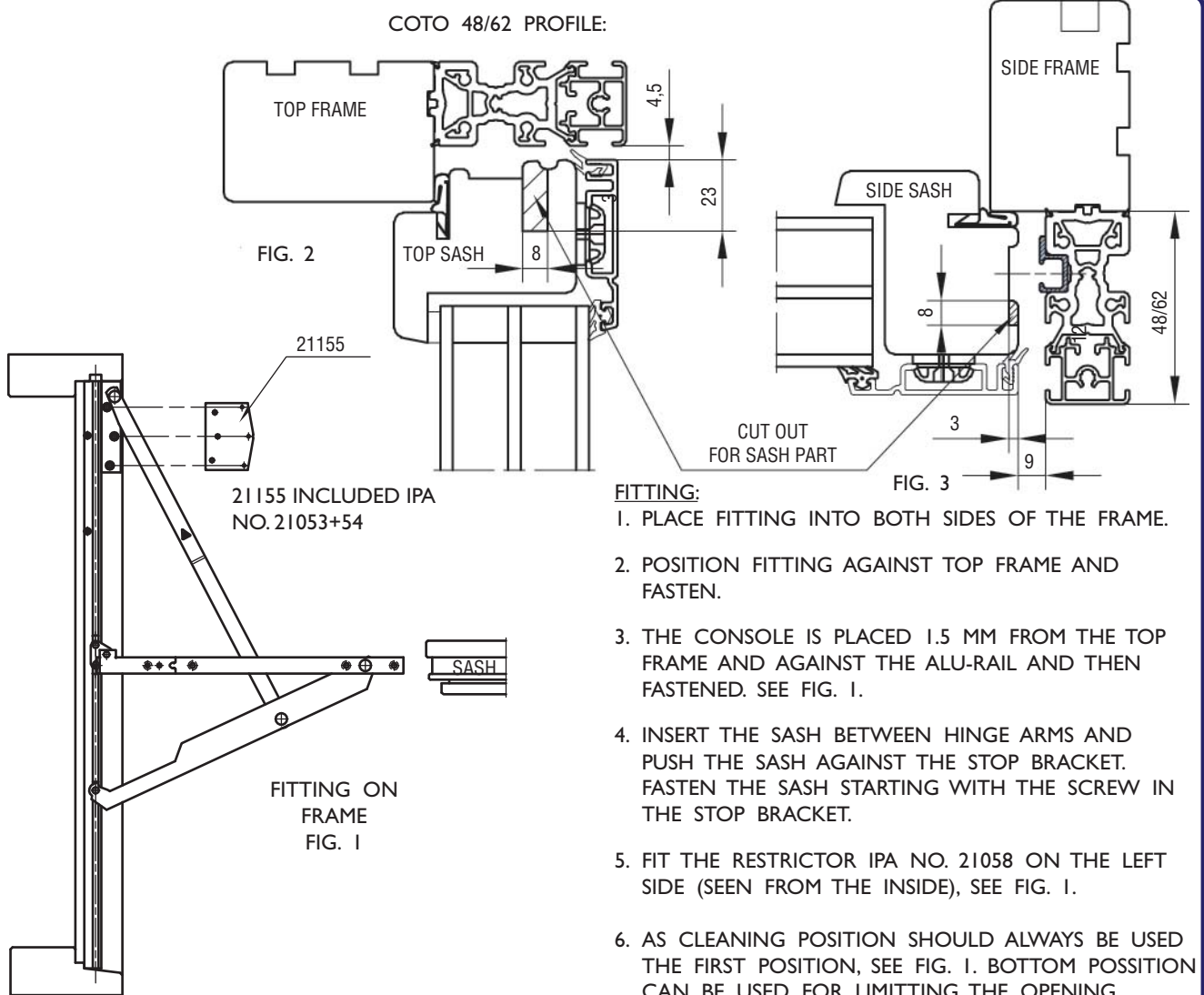


ORDERING NO.										
IPA NO.	MATE- RIAL	LEFT	SUR- FACE	STANDARD PACKING IN BOXES OF 20 PCS.	A MM	SCREW	WEIGHT APPROX. KGS / PC.			
	STEEL		ELECTROPLATED							
<b>21058</b>	<b>1</b>	<b>7</b>	<b>21</b>	<b>1</b>	385	3,0	0,07			



# IPA NO. 21044-54 & IPA NO. 21058 FITTING INSTRUCTIONS

IMPORTANT: THE SIDE FRAMES MUST BE STRAIGHT TO THE EFFECT THAT THE DISTANCE BETWEEN THE SIDE FRAMES (SLIDING RAILS) IS EXACTLY THE SAME FOR ANY HEIGHT OF THE FRAME. THIS IS IMPERATIVE FOR THE SLIDES TO TRAVEL FREELY IN THEIR ALUMINIUM RAILS.



**FITTING:**

1. PLACE FITTING INTO BOTH SIDES OF THE FRAME.
2. POSITION FITTING AGAINST TOP FRAME AND FASTEN.
3. THE CONSOLE IS PLACED 1.5 MM FROM THE TOP FRAME AND AGAINST THE ALU-RAIL AND THEN FASTENED. SEE FIG. 1.
4. INSERT THE SASH BETWEEN HINGE ARMS AND PUSH THE SASH AGAINST THE STOP BRACKET. FASTEN THE SASH STARTING WITH THE SCREW IN THE STOP BRACKET.
5. FIT THE RESTRICTOR IPA NO. 21058 ON THE LEFT SIDE (SEEN FROM THE INSIDE), SEE FIG. 1.
6. AS CLEANING POSITION SHOULD ALWAYS BE USED THE FIRST POSITION, SEE FIG. 1. BOTTOM POSITION CAN BE USED FOR LIMITTING THE OPENING.

**OPERATION INSTRUCTIONS:**

1. OPEN THE WINDOW - THE RESTRICTOR WILL AUTOMATICALLY RESTRICT THE WINDOW.
2. PULL THE SASH 20 MM - PULL THE OPERATION PIN INWARDS AND OPEN THE WINDOW.
3. WHEN THE WINDOW IS REVERSED FOR CLEANING, THE RESTRICTOR WILL LOCK AUTOMATICALLY. DISENGAGE AS MENTIONED IN POINT 2.

**21053+21054**

BACK-PLATES ARE RECOMMENDED. MOUNT THE BACK-PLATES IN CONJUNCTION WITH THE BEARING PLATES. USE MACHINE SCREWS M4.

**MAINTENANCE:**

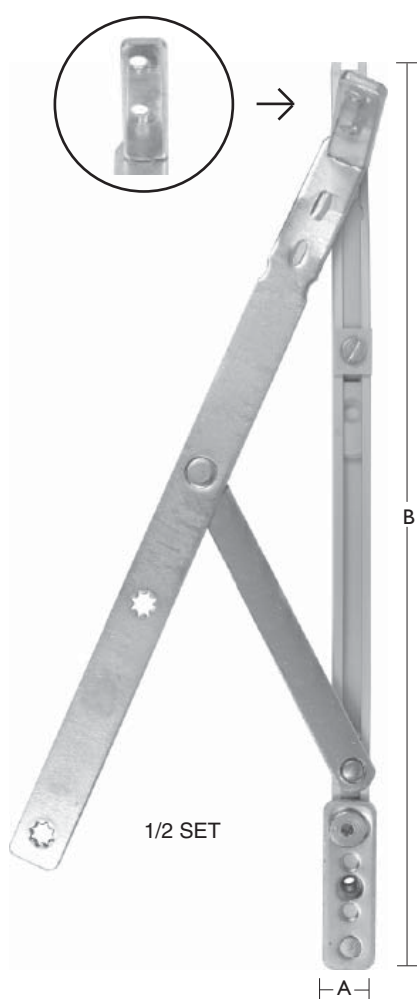
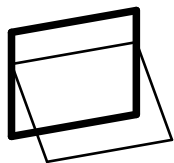
THE FITTINGS ARE NOT TO BE PAINTED. WHEN FITTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HERAFTER LIBRICATE MINIMUM TWICE A YEAR. DO NOT GREASE THE ALUMINIUM RAILS. TEST THE OPERATION FROM TIME TO TIME. SEE ALSO INSTRUCTIONS ON PAGE 27 - 28.

IPA NO.	MODULE	LENGTH FITTING	MAX. WEIGHT KGS	INSIDE FRAME MM
21044	6	513	60	513-612
2045	7	613	60	613-712
21046	8	713	60	713-812
21047	9	813	60	813-912
21048	10	913	60	913-1012
21049	11	1013	60	1013-1112
21050	12	1113	60	1113-1212
21051	13	1213	60	1213-1312
21052	14	1313	60	1313-1412
21053	15	1413	52	1413-1512
2054	16	1513	52	1513-1612
USE THE LARGEST POSSIBLE FITTING				
ATTENTION: MAX WIDTH = H + 300 MM, HOWEVER MAX 1600 MM				



# ADJUSTABLE CANOPY STAYS WITH FRICTION

## IPA NO. 21136-38



ORDERING NO.									
IPA NO.	MATE- RIAL	W/O SPECIFICATION	SUR- FACE	STANDARD PACKING   BOXES OF 5 SETS	INDUSTRY PACKING   BOXES OF 25 SETS	A MM	B MM	SCREW	APPROX WEIGHT KG /SET
	STEEL		ELECTROPLATED						
21136	1	0	21	-	2	12	299	4,0	0,60
21137	1	0	21	-	2	12	489	4,0	0,59
21138	1	0	21	1	-	12	748	4,0	0,78

- CONCEALED FITTINGS
- ADJUSTABLE FRICTION
- VERTICALLY ADJUSTABLE  $\pm 1.5$  MM
- ANODIZED ALUMINIUM RAILS

FIRE-ESCAPE OPENING:  
PLEASE SEE [WWW.IPAFITTINGS.COM/RESCUE](http://WWW.IPAFITTINGS.COM/RESCUE)



# IPA NO. 21136 - 38 FITTING INSTRUCTIONS

COTO 48/62 PROFILE:

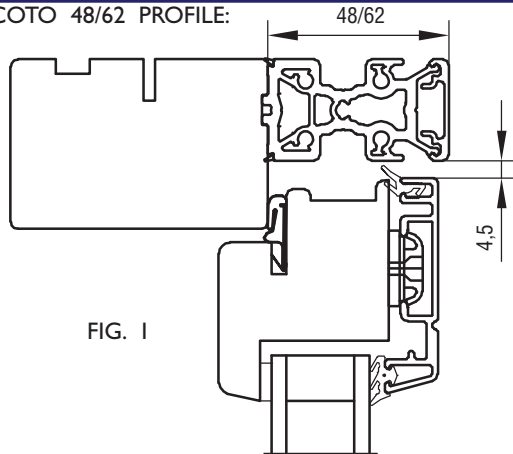
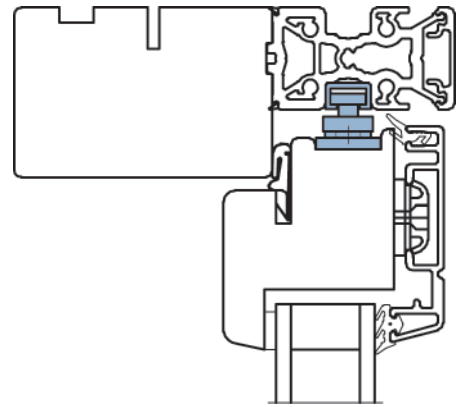


FIG. 1

FIG. 2  
HORIZONTAL PLANE

IPA NO.	21136	21137	21138
MAX. SASH WEIGHT KG	40	50	70
MAX. FRAME HEIGHT MM	900	1400	1600
SCREW	4.0	4.0	4.0

**FITTING:**

- CLOSE THE FITTING AND PLACE IT IN THE GROOVE OF THE SIDE FRAME. PLACE THE FITTING AGAINST THE BOTTOM OF THE GROOVE IN THE TOP FRAME. THE SCREW IN THE BOTTOM HOLE OF THE FITTING IS FASTENED FIRST. OPEN THE FITTING AND FASTENED THE REMAINING SCREWS IN THE ALU-RAIL.
  - 21137: FASTEN THE STOP PLATE IN THE ALU-RAIL THROUGH THE UPPER SCREW HOLE IN THE STOP PLATE AND THROUGH THE UPPER SCREW HOLE IN THE ALURAIL. THIS ENABLES MAX. FIRE ESCAPE OPENING. USE LOWER SCREW HOLE IN STOP PLATE TO ACHIEVE A MAX. SASH LOAD OF 60 KGS. IF LOWER SCREW HOLE IS USED THE FIRE ESCAPE OPENING WILL BE REDUCED.
  - 21138: USE THE UPPER SCREW HOLE IN STOP PLATE IN THE ALURAIL TO UPTAIN MAX. FIRE ESCAPE OPENING. USE THE MIDDLE SCREW HOLE IN THE STOP PLATE TO ACHIEVE A MAX. SASH LOAD OF 85 KGS. USE THE LOWER SCREW HOLE IN THE STOP PLATE TO ACHIEVE A MAX. SASH LOAD OF 100 KGS. IF MIDDLE OR LOWER SCREW HOLES IN STOP PLATE ARE USED THE FIRE ESCAPE OPENING WILL BE REDUCED.
- PUSH THE SASH INTO ITS PLACE BY INSERTING IT BETWEEN THE HINGE ARMS, GUIDED BY THE GROOVES IN THE SASH, UNTILL THE SASH HITS THE STOPS OF THE FITTING. FASTEN THE FITTING STARTING WITH THE SCREW IN THE TOP BRACKET.
- NOW THE FRICTION MAY BE ADJUSTED BY MEANS OF THE SCREWS IN THE SLIDES. BEFORE ADJUSTMENT, PRESS THE SLIDING PART DOWN TO THE STOPS. THE BEST RESULT FOR THE WINDOW MOVEMENT IS ACHIEVED BY EQUAL FRICTION AT BOTH SIDES AND TO ENSURE THIS THE SCREWS MUST NEVER BE FASTENED MORE THAN JUST ENOUGH TO HOLD THE WINDOW IN OPEN POSITION. PLEASE NOTE THAT WITH A SMALL WINDOW OPENING, THE FRICTION IS NOT INFLUENCED BY TIGHTENING THE SCREWS HARDER. TO ENSURE THE WINDOW IN STAYING OPENED WITH A SMALL WINDOW OPENING, WE RECOMMEND MOUNTING A SAFETY CATCH.
- THE SASH CAN BE ADJUSTED  $\pm 1.5$  MM UP OR DOWN. ADJUST BY USING A TORX-20 KEY TO TURN THE ECCENTRIC SCREW. BY DELIVERY THE MARK ON TH ECCENTRIC SCREW IS IN A VERTICAL POSITION INDICATING THE 0-POSITION. WHEN THE MARK IS IN HORIZONTAL POSTION IN EITHER TOP OR BOTTOM, THE FITTING IS ADJUSTED TO IT'S MAX OF  $\pm 1.5$  MM.

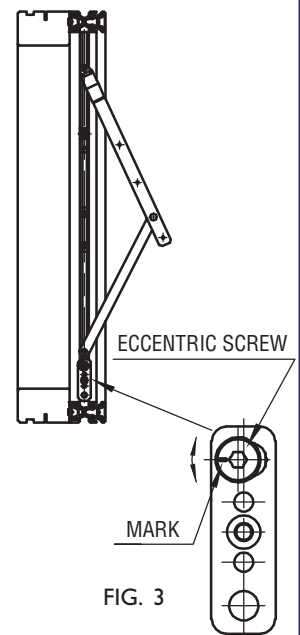


FIG. 3

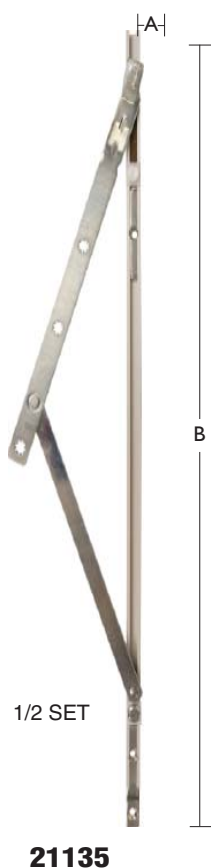
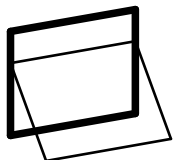
**MAINTENANCE:**

THE FITTINGS ARE NOT TO BE PAINTED. WHEN FITTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HERAFTER LIBRICATE MINIMUM TWICE A YEAR. DO NOT GREASE THE ALUMINIUM RAILS. TEST THE OPERATION FROM TIME TO TIME. SEE ALSO INSTRUCTIONS ON PAGE 27 - 28.



# CANOPY STAYS WITH FRICTION

## IPA NO. 21135 + 39



ORDERING NO.								
IPA NO.	MATE- RIAL	W/O SPECIFICATION	SUR- FACE	STANDARD PACKING   BOXES OF 5 SETS	A MM	B MM	SCREW	APPROX WEIGHT KG /SET
	STEEL		ELECTROPLATED					
<b>21135</b>	<b>1</b>	<b>0</b>	<b>21</b>	<b>1</b>	12	505	4,0	0,64

- CONCEALED FITTINGS
- ADJUSTABLE FRICTION
- 21135: VERTICALLY ADJUSTABLE  $\pm 1.5$  MM
- ANODIZED ALUMINIUM RAILS

FIRE-ESCAPE OPENING:  
PLEASE SEE [WWW.IPAFITTINGS.COM/RESCUE](http://WWW.IPAFITTINGS.COM/RESCUE)



# IPA NO. 21135 FITTING INSTRUCTIONS

COTO 48/62 PROFILE:

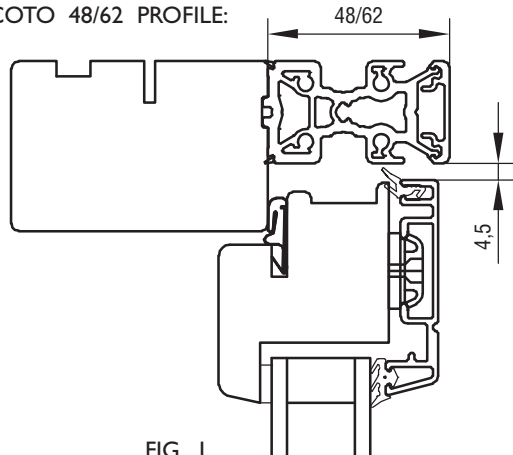


FIG. 1

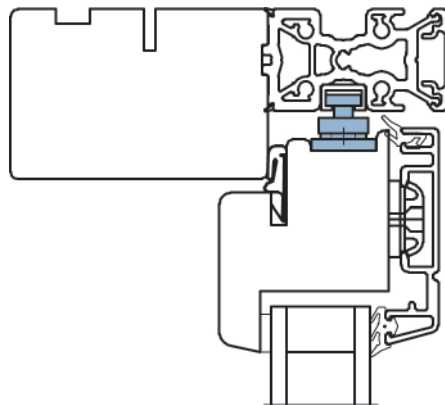


FIG. 2  
HORIZONTAL PLANE

#### FITTING:

1. CLOSE THE FITTING AND PLACE IT IN THE GROOVE OF THE SIDE FRAME. PLACE THE FITTING AGAINST THE BOTTOM OF THE GROOVE IN THE TOP FRAME. THE SCREW IN THE BOTTOM HOLE OF THE FITTING IS FASTENED FIRST. OPEN THE FITTING AND FASTENED THE REMAINING SCREWS IN THE ALU-RAIL. THE STOP IN THE ALUMINIUM RAIL SHOULD NOT BE FASTENED UNTIL THE SASH HAS BEEN MOUNTED. THE STOP IS FASTENED THROUGH THE COUNTERSUNK SCREW HOLE. SEE FIG. 3.
2. PUSH THE SASH INTO ITS PLACE BY INSERTING IT BETWEEN THE HINGE ARMS, GUIDED BY THE GROOVES IN THE SASH, UNTILL THE SASH HITS THE STOPS OF THE FITTING. FASTEN THE FITTING STARTING WITH THE SCREW IN THE TOP BRACKET.
3. NOW THE FRICTION MAY BE ADJUSTED BY MEANS OF THE SCREWS IN THE ALUMINIUM RAILS. BEFORE ADJUSTMENT, PRESS THE SLIDING PART DOWN TO THE STOPS. THE BEST RESULT FOR THE WINDOW MOVEMENT IS ACHIEVED BY EQUAL FRICTION AT BOTH SIDES AND TO SECURE THIS THE SCREWS MUST NEVER BE FASTENED MORE THAN JUST ENOUGH TO HOLD THE WINDOW IN OPEN POSITION. PLEASE NOTE THAT WITH A SMALL WINDOW OPENING, THE FRICTION IS NOT INFLUENCED BY TIGHTENING THE SCREWS HARDER. TO ENSURE THE WINDOW IN STAYING OPENED WITH A SMALL WINDOW OPENING, WE RECOMMEND MOUNTING A SAFETY CATCH.
4. 21135: THE SASH CAN BE ADJUSTED  $\pm 1.5$  MM UP OR DOWN. ADJUST BY USING A TORX-20 KEY TO TURN THE ECCENTRIC SCREW. BY DELIVERY THE MARK ON TH ECCENTRIC SCREW IS IN A VERTICAL POSITION INDICATING THE 0-POSITION. WHEN THE MARK IS IN HORIZONTAL POSTION IN EITHER TOP OR BOTTOM, THE FITTING IS ADJUSTED TO IT'S MAX OF  $\pm 1.5$  MM.

IPA NO.	21135
MAX. SASH WEIGHT KG	50
MAX. FRAME HEIGHT MM	1000
SCREW	4.0

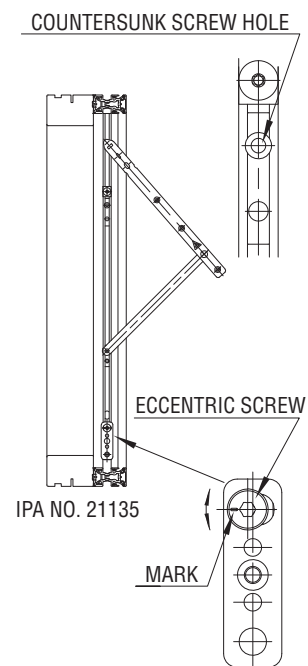


FIG. 3

#### AINTEANANCE:

THE FITTINGS ARE NOT TO BE PAINTED. WHEN FITTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HERAFTER LIBRICATE MINIMUM TWICE A YEAR. DO NOT GREASE THE ALUMINIUM RAILS. TEST THE OPERATION FROM TIME TO TIME. SEE ALSO INSTRUCTIONS ON PAGE 27 - 28.



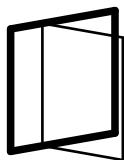
A large, empty rectangular box with a thin black border, occupying most of the page. It is intended for a drawing or illustration.



A large, empty rectangular box with a solid blue border, occupying most of the page. It is intended for a drawing or illustration.



# SIDE SWING WINDOW 90° WITH FRICTION IPA NO. 21990



ORDERING NO.									
IPA NO.	MATE- RIAL		SUR- FACE		A MM	B MM	C MM	SCREW	APPROX WEIGHT KG /SET
	STEEL	HEIGHT	ELECTROPLATED	STANDARD PACKING I BOXES OF 5 SETS					
21990	1	8	21	1	12	17,9	307,5	4,0	0,49

- CONVENIENT FOR CLEANING
- SWINGS 90°
- OPENS CLEAR FROM CURTAINS AND FRAME
- MAX. VENTILATION
- CONCEALED FITTINGS
- FRICTION IN ALL POSITIONS
- ADJUSTABLE FRICTION
- ANODIZED ALUMINIUM RAILS

FIRE-ESCAPE OPENING:  
PLEASE SEE [WWW.IPAFITTINGS.COM/RESCUE](http://WWW.IPAFITTINGS.COM/RESCUE)



# IPA NO. 21990 FITTING INSTRUCTIONS

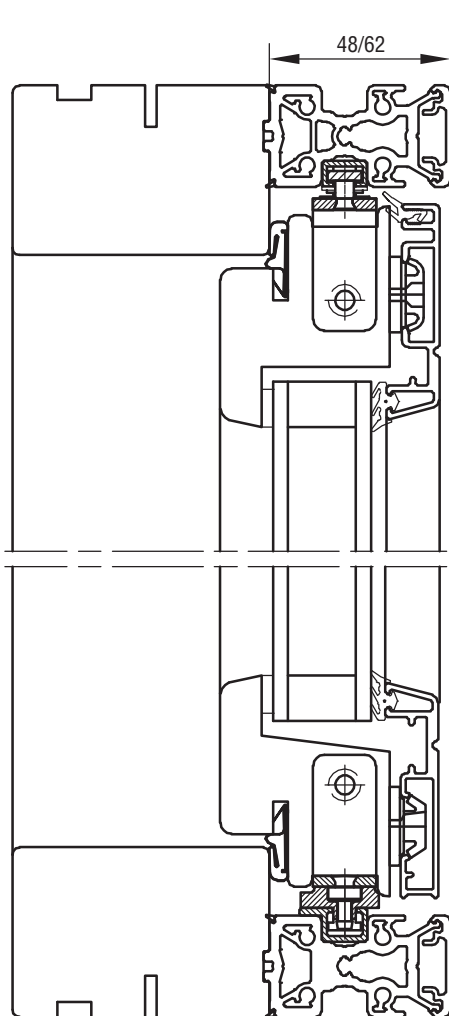


FIG. 1  
VERTICAL PLANE

**REGARDING TALL WINDOWS:**  
PLEASE NOTE THAT ESPECIALLY ON TALL AND NARROW WINDOWS THE MOVEMENT OF THE TOP AND BOTTOM FITTING CAN BE DIFFERENT. BECAUSE OF THE DISTANCE BETWEEN TOP AND BOTTOM FITTING, THE WINDOW CAN BE DIFFICULT TO OPEN.

#### FITTING:

1. THE FITTING SHOULD BE POSITIONED IN THE GROOVES IN TOP AND BOTTOM FRAME AGAINST THE HINGE SIDE OF THE SIDE FRAME AND THEN FASTENED (FIGURE 1).
2. OPEN THE FITTING AND PUSH THE WINDOW SASH INTO POSITION IN THE GROOVES AGAINST THE STOP BRACKET AND FASTEN THE SCREWS. STARTING WITH THE SCREW IN THE STOP BRACKET.

#### MAINTENANCE:

THE FITTINGS ARE NOT TO BE PAINTED. WHEN FITTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HERAFTER LIBRICATE MINIMUM TWICE A YEAR. DO NOT GREASE THE ALUMINIUM RAILS. TEST THE OPERATION FROM TIME TO TIME. SEE ALSO INSTRUCTIONS ON PAGE 27 - 28.

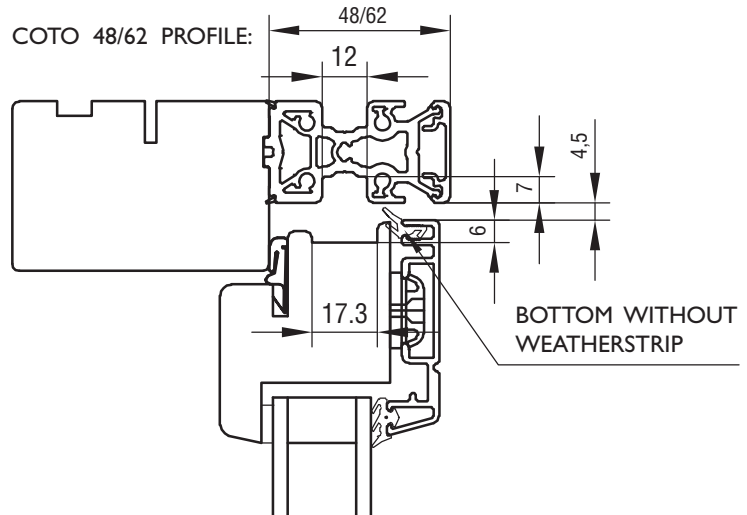


FIG. 2

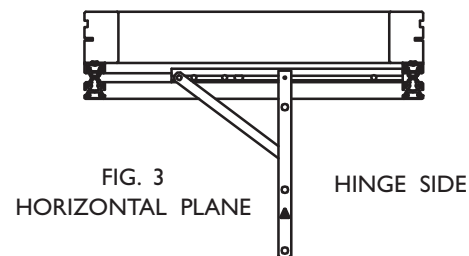


FIG. 3  
HORIZONTAL PLANE  
FITTING SHOWN ON BOTTOM FRAME  
SHOWN AS RIGHT HAND FITTING

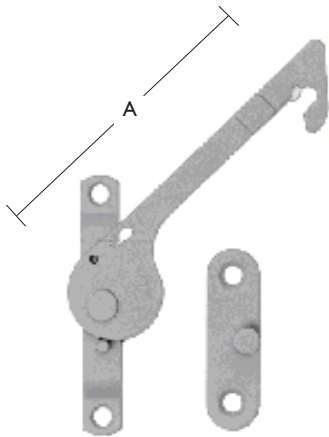
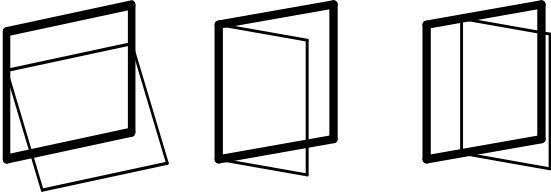
IPA NO.	21990
MAX. SASH WEIGHT KG	40
MIN. FRAME WIDTH MM	371
MAX. FRAME WIDTH MM	900
SCREW	4.0

FIG. 4



# SAFETY RESTRICTOR

IPA NO. 21237



1 SET  
RIGHT

		ORDERING NO.						
IPA NO.	MATE- RIAL	LEFT	RIGHT	SUR- FACE	INDUSTRY PACKING   BOXES OF 25 SETS	A MM	SCREW	APPROX WEIGHT KG /SET
	STEEL			ELECTROPLATED				
21237	1	7	8	21	2	92	3,5 & 4,0	0,07



# IPA NO. 21237 FITTING INSTRUCTIONS

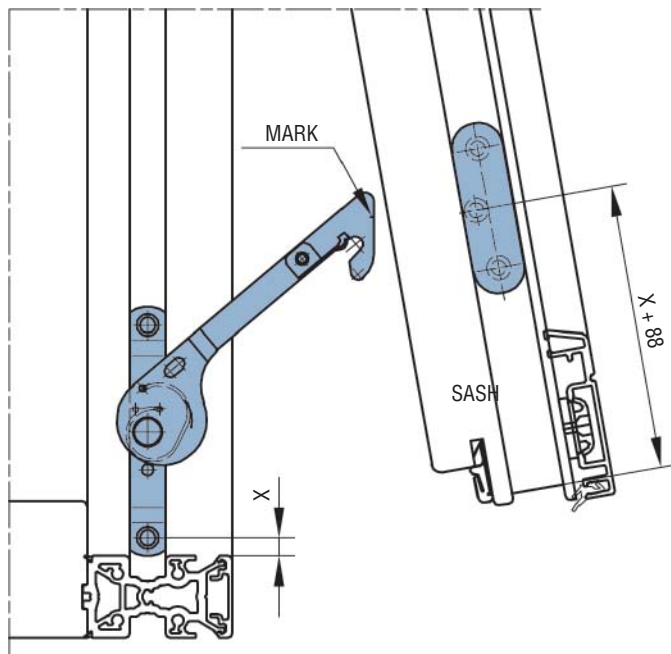


FIG. 1  
SHOWN AS RIGHT HAND FITTING  
(SEEN FROM THE OUTSIDE)

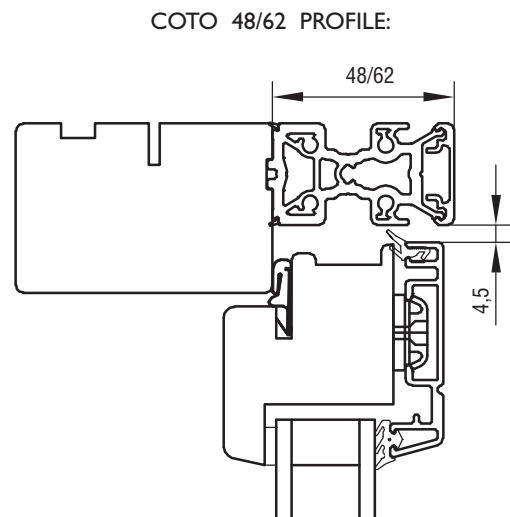


FIG. 2

## FITTING:

THE FITTING CAN BE USED ON BOTH TOPHUNG/TOPGUIDED AS WELL AS SIDEHUNG/SIDEGUIDED WINDOWS. ON TOPHUNG/TOPGUIDED WINDOWS THE RESTRICTOR IS PLACED IN THE BOTTOM OF THE SIDE FRAME AND THE RECEIVER IS PLACED IN THE BOTTOM OF THE SIDE SASH. ON THE SIDEHUNG/SIDEGUIDED WINDOWS THE RESTRICTOR IS PLACED IN TOP FRAME ON THE OPPOSITE SIDE OF THE HINGES AND THE RECEIVER IS PLACED IN THE TOP SASH OPPOSITE THE HINGES.

X-DIMENSION IS OPTIONAL. BY USING LARGER X-DIMENSION THE VENTILATION OPENING WILL BE EXTENDED.

**IMPORTANT:** THE RECEIVER MUST BE MOUNTED SO THAT IT HITS THE MARK ON THE RESTRICTOR ARM WHEN THE WINDOW IS CLOSED. SEE FIG. 1

## OPERATING INSTRUCTIONS:

1. OPEN THE WINDOW UNTIL THE RESTRICTOR ENGAGES.
2. PULL THE SASH APPROXIMATELY 20 MM BACKWARDS.
3. PRESS THE RESTRICTOR OUTWARDS AS YOU OPEN THE WINDOW.
4. WHEN THE WINDOW IS CLOSED THE RESTRICTOR RE-ENGAGES AUTOMATICALLY.

USE SCREW NO. 4.0

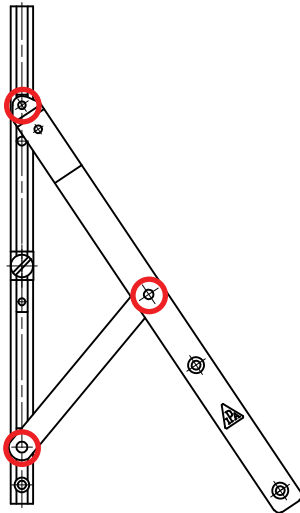
## MAINTENANCE:

THE FITTINGS ARE NOT TO BE PAINTED. WHEN FITTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HERAFTER LIBRICATE MINIMUM TWICE A YEAR. DO NOT GREASE THE ALUMINIUM RAILS. TEST THE OPERATION FROM TIME TO TIME. SEE ALSO INSTRUCTIONS ON PAGE 27 - 28.

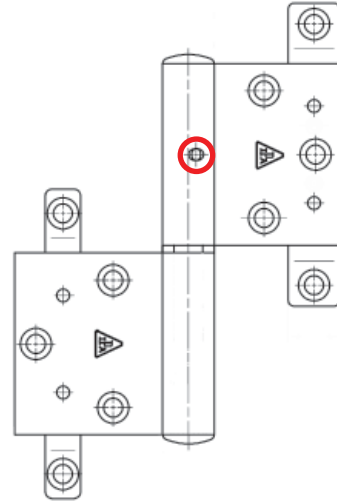


# MAINTENANCE LUBRICATION INSTRUCTIONS

CANOPY STAYS



HINGES



**GENERALLY** all parts of a building have to be looked after and maintained from time to time. This of course also applies for fittings in windows and doors.

How often fittings in windows and doors should be maintained depends to a large extent on how they are used, how often they are operated, and not least on the environment the fittings are exposed to.

Corrosion may also be caused by other factors, such as corrosive liquids, air pollution etc. Special attention should be given to fittings used in windows and doors in urban and industrial areas or other areas with a high traffic intensity as well as coastal areas. Fittings in such environments should be checked and greased more often than fittings used in areas with less corrosive effects.

**HINGES AND FITTINGS** should be lubricated when necessary, or at the minimum twice a year.

**SLIDING ELEMENTS AS WELL AS ALL ALURAILS** with sliding surfaces are to be kept clean and free from dust and dirt to ensure a smooth sliding function. Stearin wax or a clean lubricating film (but no oil and no grease!) can be applied onto the alluminium rails.

**ESPAÑOLETTES AND OTHER LOCKING FITTINGS** should be greased or lubricated with acid free grease or acid free oil on spray. The grease/oil should be applied into the mechanism box as well as on the joints of the side bolts, the roller bolts, or the mushroom head bolts while activating the mechanism repeatedly. Grease or lubricate when necessary or at the minimum twice a year.

Continues.....



# MAINTENANCE LUBRICATION INSTRUCTIONS

**BRASS** will sooner or later get some discoloration in a brownish tone depending on the environment in which it is placed. The original brass surface can be maintained by polishing from time to time.

**STAINLESS STEEL** can get some discoloration, although this rarely happens. Different chemical influences like acid fumes, contamination from wood preservation treatments, or air pollution may cause discoloration of the metal, sometimes to a reddish tone which could look like rust. Thin discoloration can be removed just by using common cleaner or polish.

**PAINTED FITTINGS** will from time to time need repainting. Before painting all parts should be cleaned carefully. When choosing type of paint and when applying the paint remember to follow the instructions from the paint manufacturer very carefully.

When painting a wooden window in a house, it is a good idea also to paint the visible parts of the fittings (please note: No alurails nor sliding parts should ever be painted!). The painting of the fitting will minimize corrosion and add to the lifetime of the fitting. Always make sure that the proper function of a fitting is not affected by the painting.

**ANODIZED ALUMINIUM** should be cleaned from time to time, depending on the surroundings in which it is placed. Cleaning of the surface with a cloth or sponge is recommended. Eventually a neutral solvent can be used. Emery cloth, steel wool, sodium carbonate, and other cleansers or abrasives containing alkalies or acid should never be used.

**ON THE WINDOW AND DOOR FACTORY SITE** all fittings should be lubricated or greased before shipment. Hinges should be lubricated with acidfree oil while activating repeatedly, an acidfree grease can also be used. When using grease it should be applied directly onto the pin of the hinges. It may be necessary to dismantle the sash before greasing. Especially hinges with a brass pin should be greased.

When mounting fittings, please make sure that the tools do not damage the original surface treatment. When original surface has been damaged make sure that remedial take place as soon as possible.

**WHEN IN DOUBT PLEASE CONTACT YOUR LOCAL SUPPLIER OR A/S J. PETERSENS  
BESLAGFABRIK.**









## **A/S J. PETERSENS BESLAGFABRIK**

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