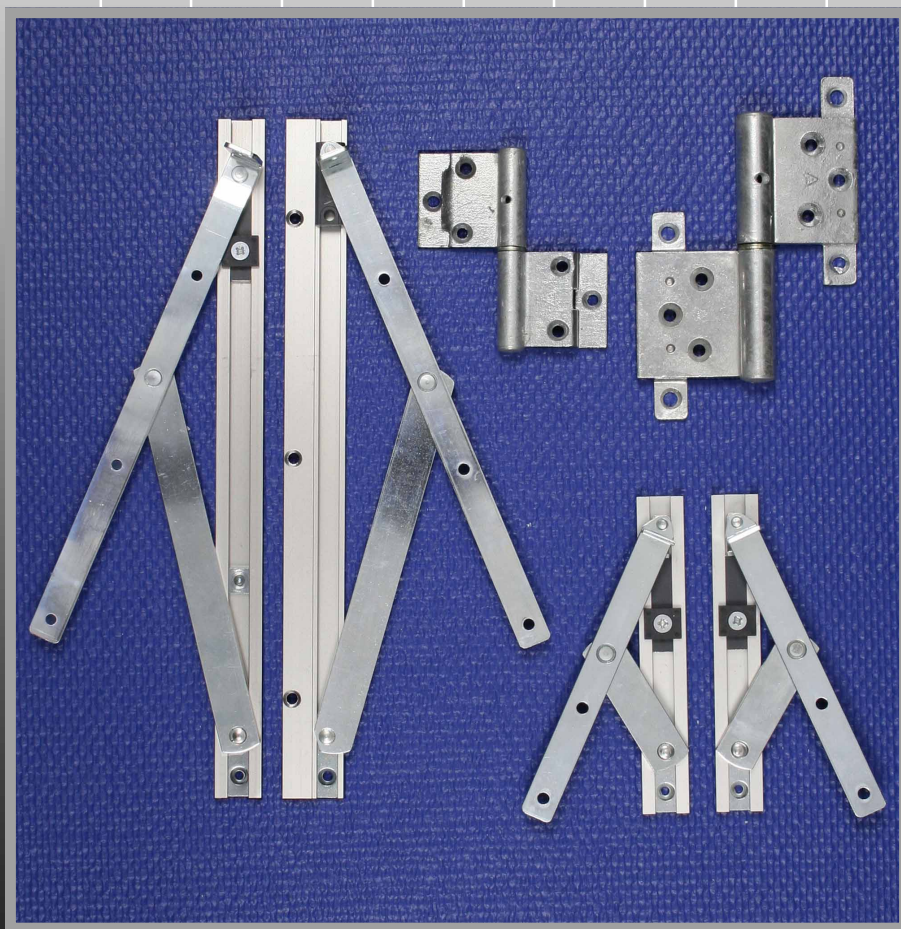


# IPA FITTINGS

## FOR 16 X 9 MM GROOVE



2012



**A/S J. PETERSENS BESLAGFABRIK**

JACOB PETERSENSVEJ 9, DK-9240 NIBE

TEL: (+45) 98 35 15 00







# FITTINGS FOR 16 X 9 GROOVE

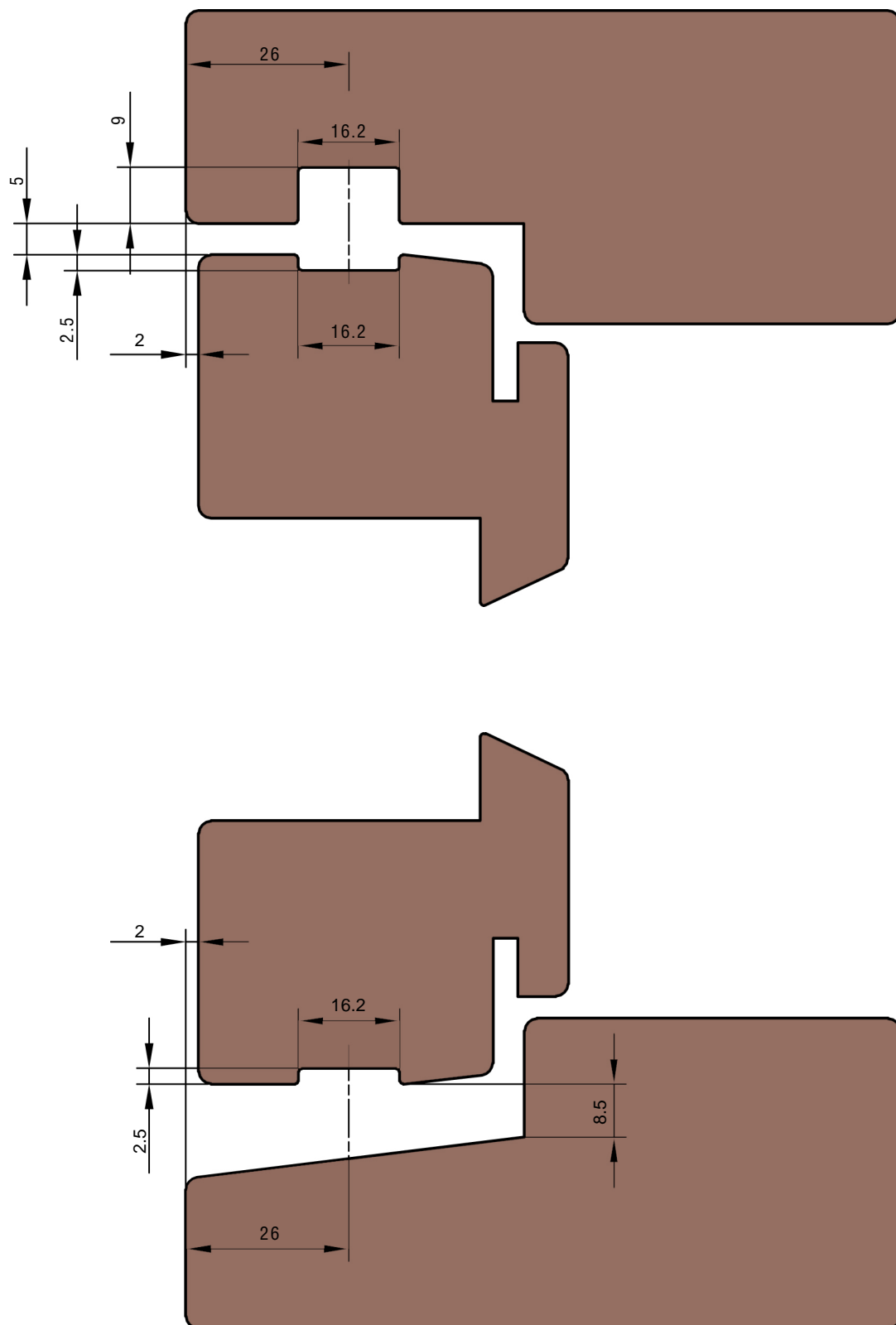
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# 16 X 9 MM GROOVE

## Example Wood Profile





## SUGGESTION - NUMBER OF HINGES

The charts below show the number of hinges, we suggest to use on different sizes of windows and doors. The charts 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 meets the requirements of class 9 (60 Kgs.) in accordance with DS/EN 1935. The numbers in brackets are number of hinges 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)			

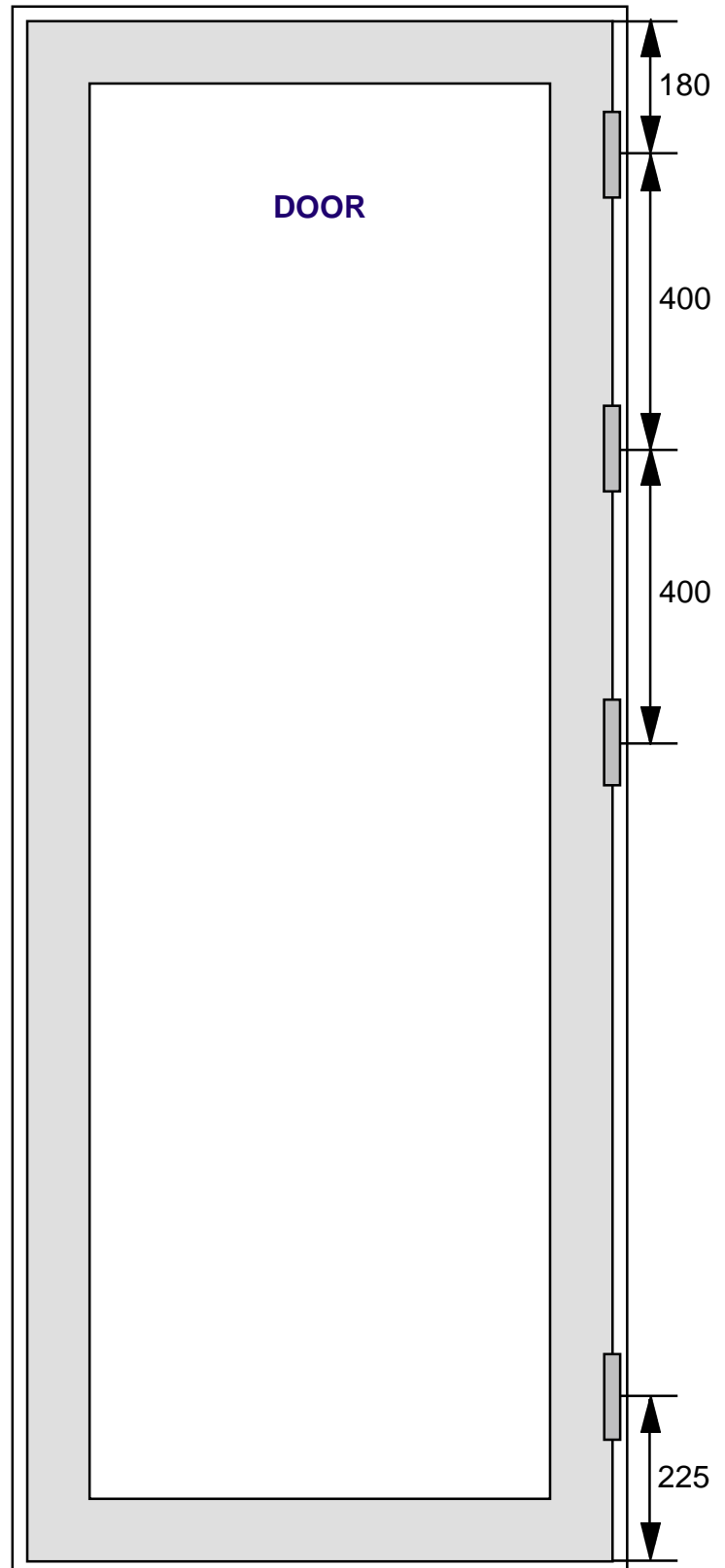
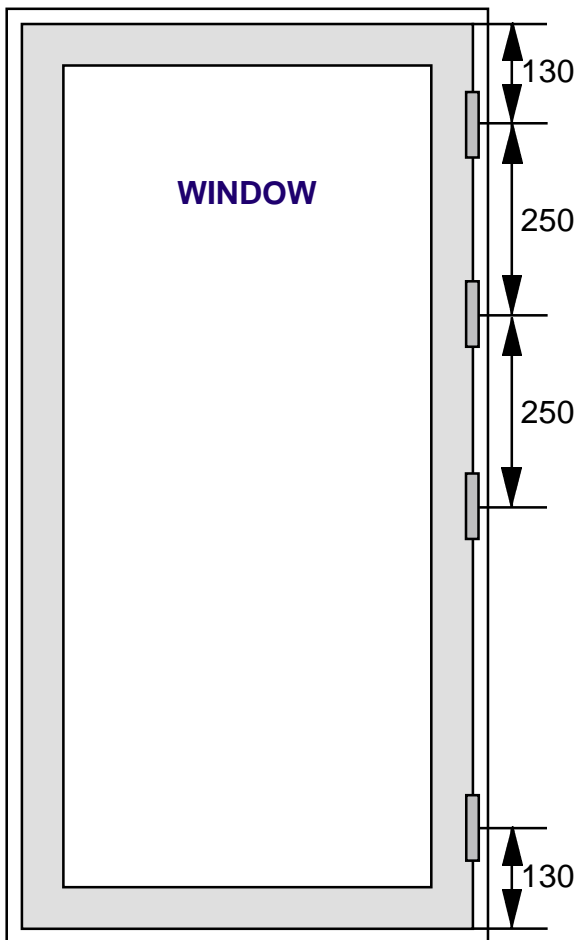
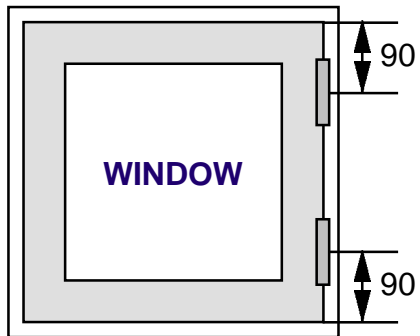
**DOORHINGES:** Valid for door hinges shown in this catalogue.

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



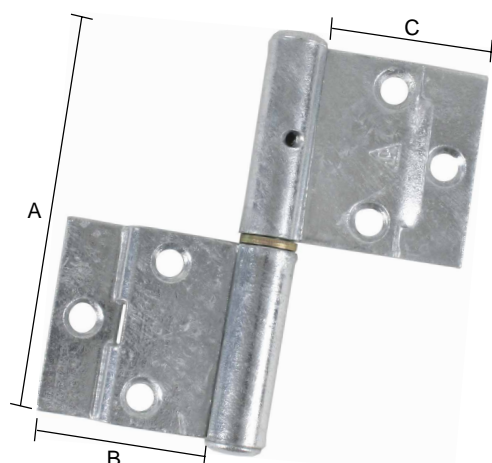
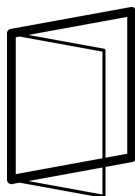
## SUGGESTION - HINGE POSITIONS





# WINDOW HINGE

## IPA No. 61974



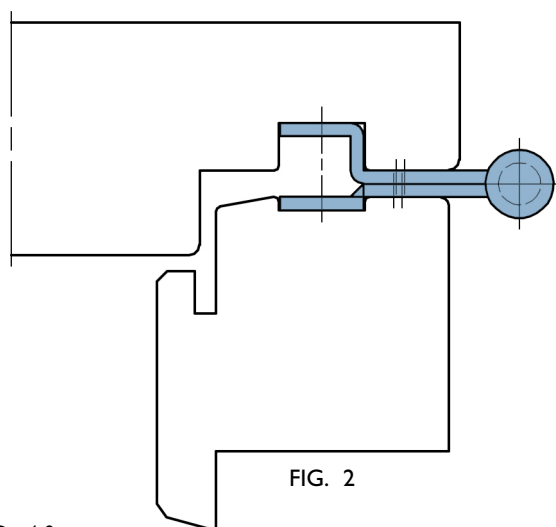
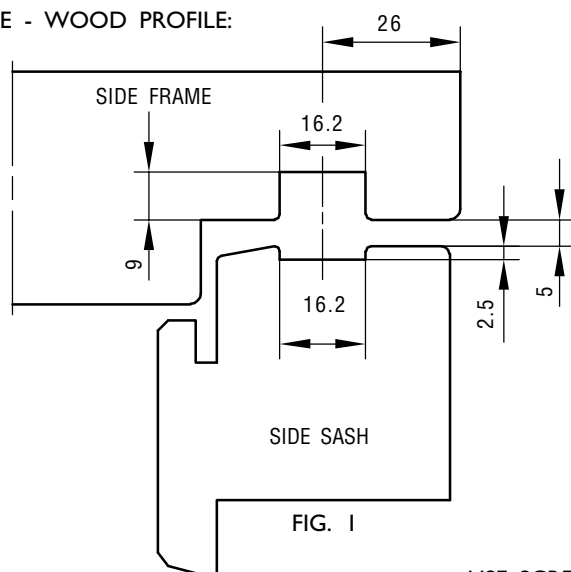
ORDERING NO.													
IPA NO.	MATERIAL		SQUARE EDGES LEFT	SQUARE EDGES RIGHT	SURFACE	INDUSTRY PACKING IN BOXES OF 100 PIECES	A MM	B MM	C MM	MATERIAL MM	PIN MM	SCREW	APPROX. WEIGHT KG / PC.
	STEEL FIXED STEEL PIN	STEEL FIXED BRASS PIN			GALVANIZED								
61974	2	3	3	4	87	2	90	38,5	38,5	2,5	8	4,0	0,16



IPA No. 61974

# FITTING INSTRUCTIONS

EXAMPLE - WOOD PROFILE:



USE SCREW NO. 4.0.

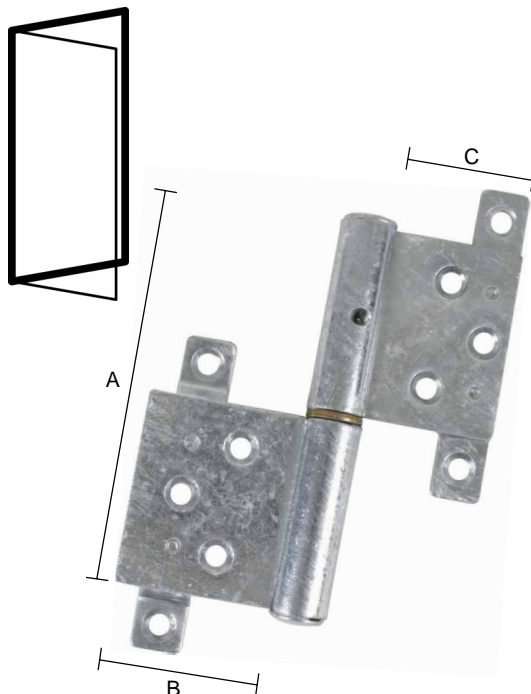
### MAINTENANCE:

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 31 - 32.



# DOORHINGE

## IPA No. 61998



ORDERING NO.													
IPA NO.	MATERIAL		SQUARE EDGES LEFT	SQUARE EDGES RIGHT	SURFACE	INDUSTRY PACKING IN BOXES OF 50 PIECES	A MM	B MM	C MM	MATERIAL MM	PIN MM	SCREW	APPROX. WEIGHT KG / PC.
	STEEL FIXED STEEL PIN	STEEL FIXED BRASS PIN			GALVANIZED								
61998	2	3	3	4	87	2	120	49	41	4,0	9,5	5,0	0,43



IPA No. 61998

# FITTING INSTRUCTIONS

EXAMPLE WOOD PROFILE:

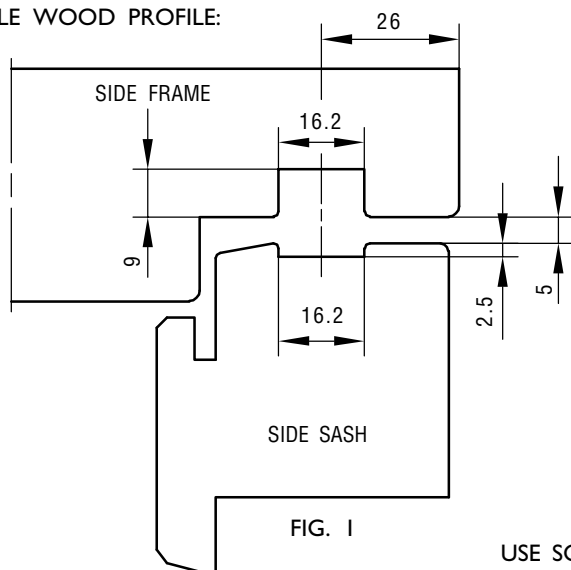


FIG. 1

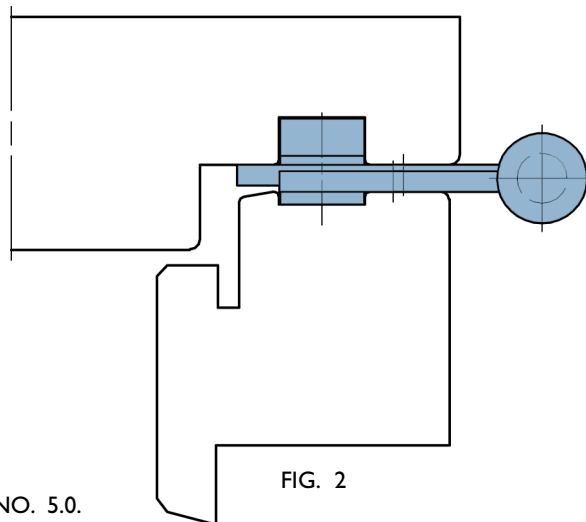


FIG. 2

USE SCREW NO. 5.0.

### MAINTENANCE:

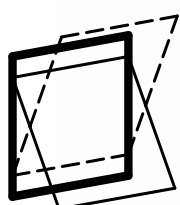
TEST THE OPERATION FROM TIME TO TIME. WHEN FITTING - GREASE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HEREAFTER GREASE MINIMUM TWICE A YEAR. SEE ALSO INSTRUCTIONS ON PAGE 31 - 32.





# REVERSIBLE PROJECTING GEAR

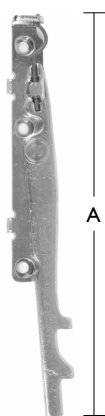
IPA No.s 62944-52, IPA No. 62762 & IPA No. 62155



1/2 SET

ORDERING NO.					A MM	B MM	FRAME DIMENSION INSIDE MM	SCREW	APPROX. WEIGHT KG / SET
IPA NO.	MATERIAL STEEL	WITHOUT SPECIFICATION 0	SURFACE ELECTROPLATED 21	STANDARD PACKING IN BOXES OF 1 SET 1					
62944	1	0	21	1	18	532	532-643	4.0	1.16
62945	1	0	21	1	18	644	644-743	4.0	1.36
62946	1	0	21	1	18	744	744-843	4.0	1.56
62947	1	0	21	1	18	844	844-943	4.0	1.76
62948	1	0	21	1	18	944	944-1043	4.0	1.96
62949	1	0	21	1	18	1044	1044-1143	4.0	2.16
62950	1	0	21	1	18	1144	1144-1243	4.0	2.36
62951	1	0	21	1	18	1244	1244-1343	4.0	2.56
62952	1	0	21	1	18	1344	1344-1443	4.0	2.76

- CONCEALED FITTINGS
- FULLY REVERSIBLE 170°
- OPENS CLEAR OF CURTAINS AND WINDOW FRAME
- ADJUSTABLE FRICTION
- ANODIZED ALUMINIUM RAILS



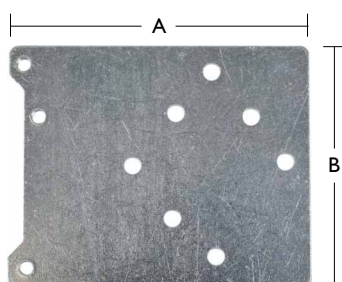
SAFETY CATCH  
IPA NO. 62762

ORDERING NO.					A MM	SCREW	APPROX. WEIGHT KG / PC.
IPA NO.	MATERIAL STEEL	LEFT 7	SURFACE ELECTROPLATED 21	STANDARD PACKING IN BOXES OF 20 PCS. 1			
62762	1	7	21	1	170	4.0	0.08

FIRE-ESCAPE OPENING:

500 MM FROM  
SASH HEIGHT 826 MM

600 MM FROM  
SASH HEIGHT 1026 MM

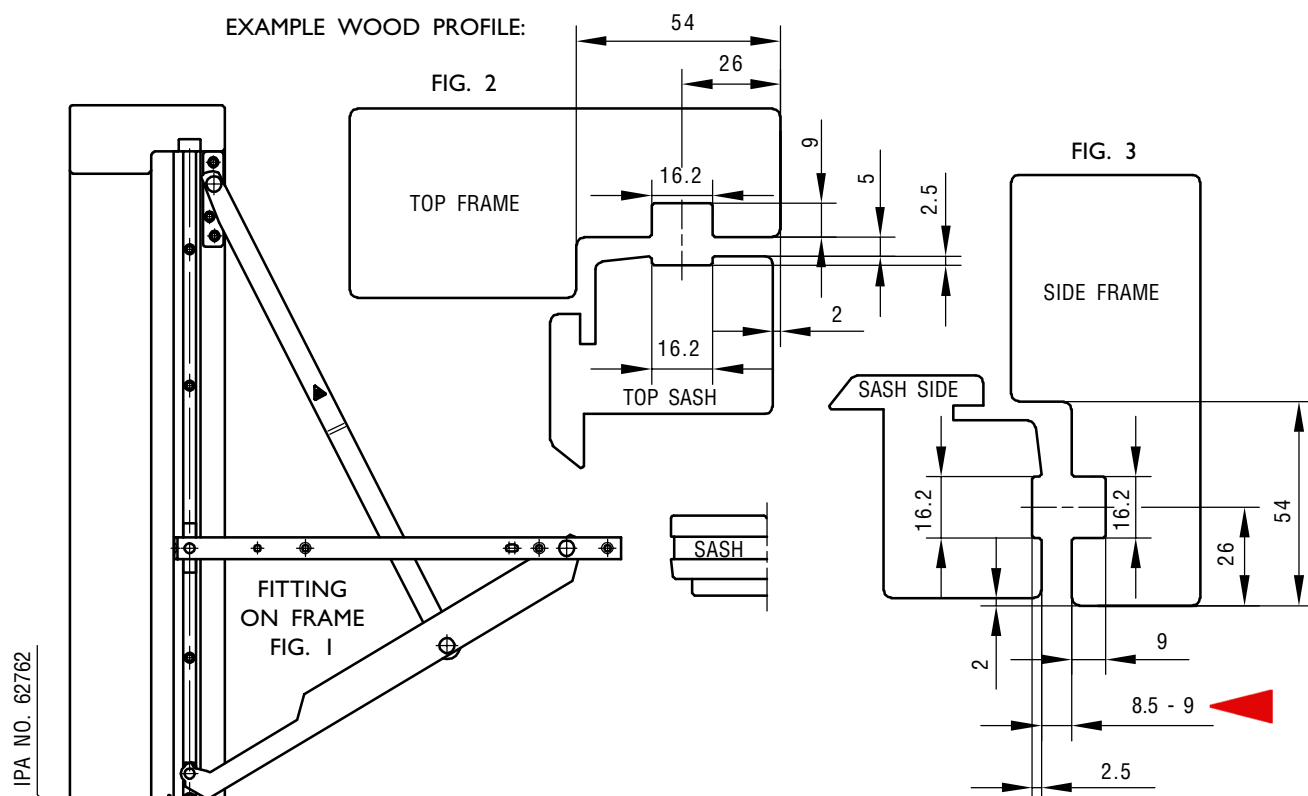


THREADED PLATE  
IPA NO. 62155

ORDERING NO.					A MM	B MM	SCREW	APPROX. WEIGHT KG / PC.
IPA NO.	MATR. STEEL	W/O SPECIFICATION 0	SURFACE ELECTROPLATED 21	STANDARD PACKING IN BOXES OF 25 PCS. 1				
62155	1	0	21	1	80	64	4,0	0,12



# IPA No. 62944-52 & IPA No. 62762 FITTING INSTRUCTIONS



## FITTING:

1. PLACE FITTING INTO BOTH SIDES OF THE FRAME.
2. POSITION FITTING AGAINST TOP FRAME AND FASTEN.
3. PLACE THE BEARING PLATE AGAINST THE TOP AND AGAINST THE ALUMINIUM RAIL AND FASTEN.
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. THE SASH CAN BE OPENED TO ANY ANGLE. WITH LARGE OPENING ANGLE A LIGHT FRICTION CAN BE OBTAINED BY MEANS OF THE FRICTION SCREWS IN THE SIDES. THE FRICTION HAS TO BE THE SAME ON BOTH SIDES. PLEASE NOTE THAT THE SASH IS NOT SECURED FOR HEAVY WINDS AND OTHER HEAVY INFLUENCE.
6. FIT THE RESTRICTOR IPA NO. 62762 ON THE LEFT SIDE, SEE FIG. 1.

USE SCREW NO. 4.0.

## OPERATION INSTRUCTIONS:

1. OPEN THE WINDOW - THE RESTRICTOR WILL AUTOMATICALLY RESTRICT THE WINDOW.
2. PULL THE SASH 20 MM - PRESS THE RESTRICTOR IN THE DIRECTION OF THE ARROW AND OPEN THE WINDOW.
3. WHEN THE WINDOW IS REVERSED FOR CLEANING, THE RESTRICTOR WILL ENGAGE AUTOMATICALLY. DISENGAGE AS MENTIONED IN POINT 2.

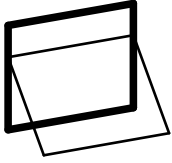
## MAINTENANCE:

THE FITTINGS ARE NOT TO BE PAINTED. WHEN FITTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HEREAFTER LUBRICATE MINIMUM TWICE A YEAR. DO NOT GREASE THE ALUMINIUM RAILS. TEST THE OPERATION FROM TIME TO TIME. SEE ALSO INSTRUCTIONS ON PAGE 31 - 32.

IPA NO.	FITTING LENGTH MM	MAX. WEIGHT KGS
62944	532	45
62945	644	45
62946	744	45
62947	844	45
62948	944	45
62949	1044	45
62950	1144	45
62951	1244	45
62952	1344	45
<b>USE THE LARGEST POSSIBLE FITTING</b>		



# CANOPY STAY WITH FRICTION IPA No. 62970-75



1/2 SET

ORDERING NO.									
IPA NO.	MATERIAL	SURFACE		STANDARD PACKING IN BOXES OF 5 SETS	INDUSTRY PACKING IN BOXES OF 25 SETS	A MM	B MM	SCREW	APPROX. WEIGHT KG / SET
	STEEL	W/O SPECIFICATION	ELECTROPLATED						
62970	1	0	21	-	2	23	255	4.0	0.48
62973	1	0	21	-	2	23	445	4.0	0.70
62974	1	0	21	1	-	23	703	4.0	1.10
62975	1	0	21	1	-	23	152	4.0	0.28

- ADJUSTABLE FRICTION
- CONCEALED FITTINGS
- ANODIZED ALUMINIUM RAILS

## FIRE-ESCAPE OPENING:

IPA NO. 62970

500 MM FROM SASH HEIGHT 826 MM

IPA NO. 62973

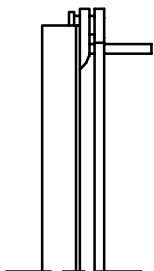
500 MM FROM SASH HEIGHT 926 MM

600 MM FROM SASH HEIGHT 1026 MM

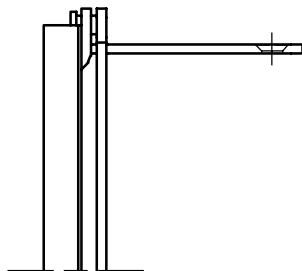
IPA NO. 62974

500 MM FROM SASH HEIGHT 1126 MM

600 MM FROM SASH HEIGHT 1326 MM



62975



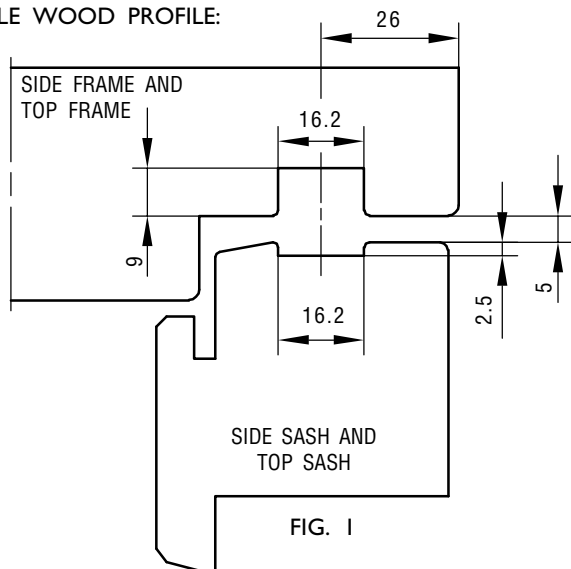
62970-74



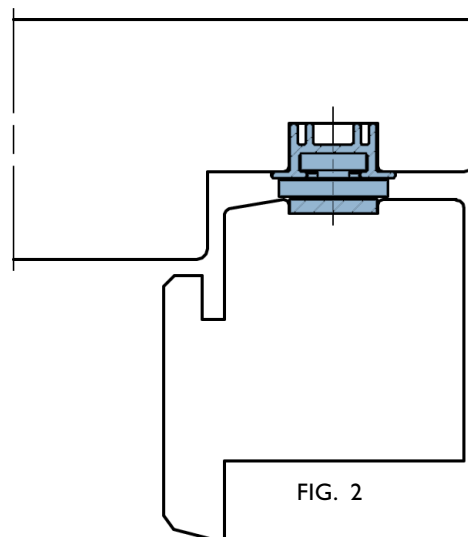
**IPA No. 62970 - 75**

# FITTING INSTRUCTIONS

EXAMPLE WOOD PROFILE:



HORIZONTAL PLANE



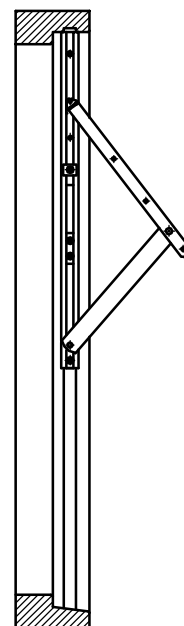
IPA NO.	62970	62973	62974	62975
MAX. SASH WEIGHT KGS	40	50	70	20
MAX. SASH HEIGHT MM	840	1340	1540	300
SCREW	4.0	4.0	4.0	4.0

## FITTING:

1. CLOSE THE FITTING AND PLACE IT IN THE GROOVE OF THE SIDE FRAME.  
PLACE THE FITTING AGAINST THE TOP FRAME.  
PLACE AND FASTEN THE SCREW IN THE BOTTOM HOLE OF THE FITTING.  
OPEN THE FITTING AND FASTEN THE REMAINING SCREWS. ON IPA NO. 62574  
MOUNT THE STOPPLATE THROUGH THE UPPER SCREW HOLE UNDER THE  
SLIDING ELEMENT.
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. THESE STOPS WILL GUARANTEE A 5 MM GAB BETWEEN FRAME AND  
SASH. FASTEN THE FITTING STARTING WITH THE SCREW IN THE STOP BRACKET  
(IPA NO. 62970-74).
3. NOW THE FRICTION MAY BE ADJUSTED BY MEANS OF THE SCREWS IN THE  
SLIDES.  
THE BEST RESULT FOR THE WINDOW MOVEMENT IS ACHIEVED BY EQUAL  
FRICTION IN EITHER SIDE.

## MAINTENANCE:

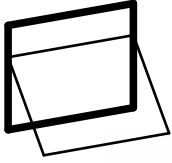
THE FITTINGS ARE NOT TO BE PAINTED. TEST THE OPERATION FROM TIME TO  
TIME. WHEN FITTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE  
MECHANISM WHILE ACTIVATING REPEATEDLY. HEREAFTER LUBRICATE MINIMUM  
TWICE A YEAR. DO NOT LUBRICATE THE ALUMINIUM RAILS. SEE ALSO INSTRUCTIONS  
ON PAGE 31 - 32.



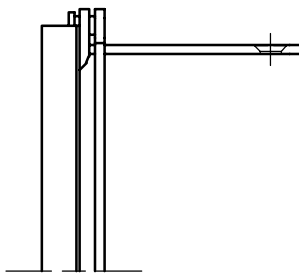


# ADJUSTABLE CANOPY STAY WITH FRICTION

## IPA No. 62986-87 + 89



1/2 SET



ORDERING NO.									
IPA NO.	MATERIAL	W/O SPECIFICATION	SURFACE	STANDARD PACKING IN BOXES OF 5 SETS	INDUSTRY PACKING IN BOXES OF 25 SETS	A MM	B MM	SCREW	APPROX. WEIGHT KG / SET
	STEEL		ELECTROPLATED						
62986	1	0	21	-	2	23	306	4.0	0.58
62987	1	0	21	-	2	23	496	4.0	0.80
62989	1	0	21	1	-	23	755	4.0	1.20

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

#### FIRE-ESCAPE OPENING:

IPA NO. 62986  
500 MM FROM SASH HEIGHT 826 MM

IPA NO. 62987  
500 MM FROM SASH HEIGHT 926 MM  
600 MM FROM SASH HEIGHT 1026 MM

IPA NO. 62989  
500 MM FROM SASH HEIGHT 1126 MM  
600 MM FROM SASH HEIGHT 1326 MM



**IPA No. 62986 - 87 + 89**

# FITTING INSTRUCTIONS

EXAMPLE WOOD PROFILE:

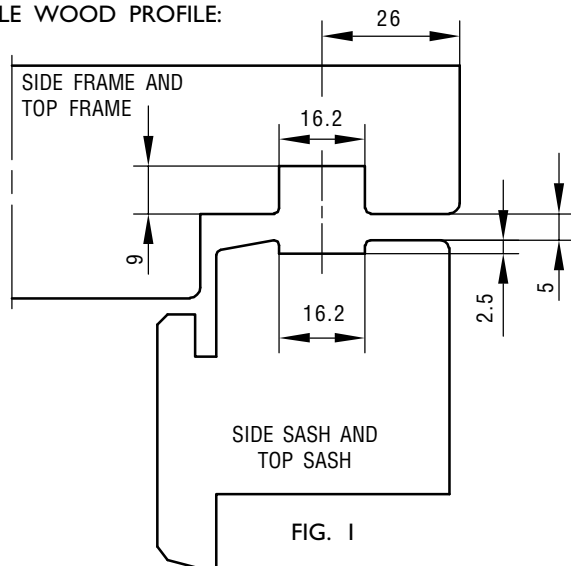


FIG. 1

HORIZONTAL PLANE

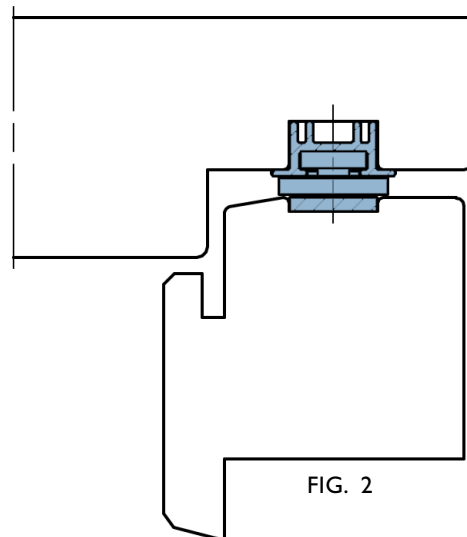


FIG. 2

IPA NO.	62986	62987	62989
MAX. SASH WEIGHT KGS	40	50	70
MAX. SASH HEIGHT MM	840	1340	1540
SCREW	4.0	4.0	4.0

## FITTING:

1. CLOSE THE FITTING AND PLACE IT IN THE GROOVE OF THE SIDE FRAME. PLACE THE FITTING AGAINST THE TOP FRAME. PLACE AND FASTEN THE SCREW IN THE BOTTOM HOLE OF THE FITTING. OPEN THE FITTING AND FASTEN THE REMAINING SCREWS. IPA NO. 62898: MOUNT THE STOPPLATE THROUGH THE UPPER SCREW HOLE.
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. THESE STOPS WILL GUARANTEE A 5 MM GAB BETWEEN FRAME AND SASH. FASTEN THE FITTING STARTING WITH THE SCREW IN THE STOP BRACKET
3. NOW THE FRICTION MAY BE ADJUSTED BY MEANS OF THE SCREWS IN THE SLIDES. THE BEST RESULT FOR THE WINDOW MOVEMENT IS ACHIEVED BY EQUAL FRICTION AT EITHER SIDE.
4. THE SASH CAN BE ADJUSTED  $\pm 1.5$  MM UP OR DOWN. BEFORE ANY ADJUSTMENT THE MOUNTING SCREWS IN THE BOTTOM IN EACH SIDE OF THE FRAME HAVE TO BE LOOSENED. THEN ADJUST BY USING A TORX-20 KEY TO TURN THE ECCENTRIC SCREW. BY DELIVERY THE MARK ON THE ECCENTRIC SCREW IS IN A VERTICAL POSITION INDICATING THE 0-POSITION. WHEN THE MARK IS IN HORIZONTAL POSITION IN EITHER TOP OR BOTTOM, THE FITTING IS ADJUSTED TO IT'S MAX OF  $\pm 1.5$  MM. AFTER THE ADJUSTMENT THE MOUNTING SCREW IN THE BOTTOM OF EACH SIDE ARE FASTENED.

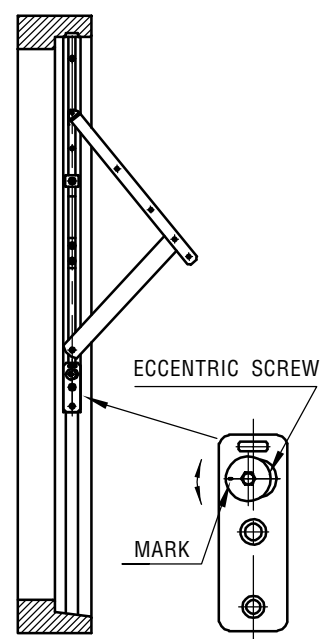


FIG. 3

## MAINTENANCE:

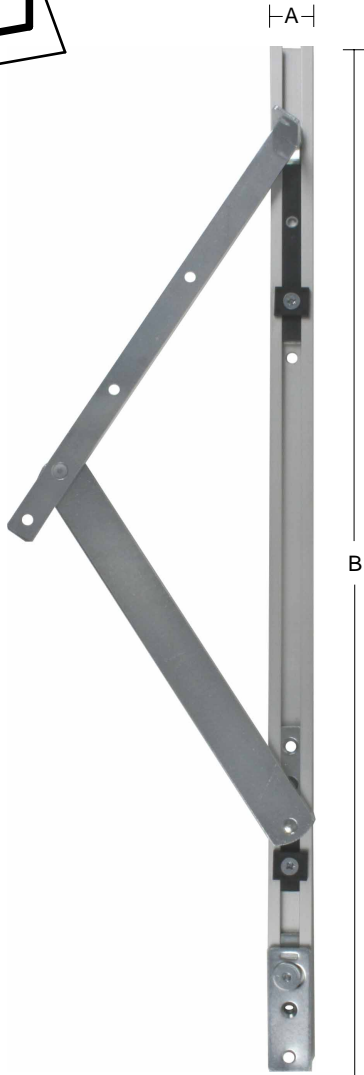
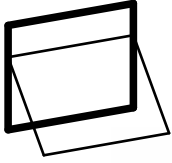
THE FITTINGS ARE NOT TO BE PAINTED. TEST THE OPERATION FROM TIME TO TIME. WHEN FITTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HEREAFTER LUBRICATE MINIMUM TWICE A YEAR. DO NOT LUBRICATE THE ALUMINIUM RAILS. SEE ALSO INSTRUCTIONS ON PAGE 31 - 32.



# ADJUSTABLE CANOPY STAY

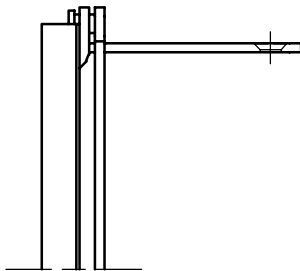
## WITH ADJUSTABLE FRICTION

### IPA No. 62988



ORDERING NO.							
IPA NO.	MATERIAL	W/O SPECIFICATION	SURFACE	STANDARD PACKING IN BOXES OF 5 SETS	A MM	B MM	SCREW
	STEEL		ELECTROPLATED				
62988	1	0	21	1	23	537	4.0
							APPROX. WEIGHT KG / SET
							0.82

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



FIRE-ESCAPE OPENING:

IPA NO. 62988

500 MM FROM SASH HEIGHT 626 MM

600 MM FROM SASH HEIGHT 726 MM



**IPA No. 62988**

# FITTING INSTRUCTIONS

EXAMPLE WOOD PROFILE:

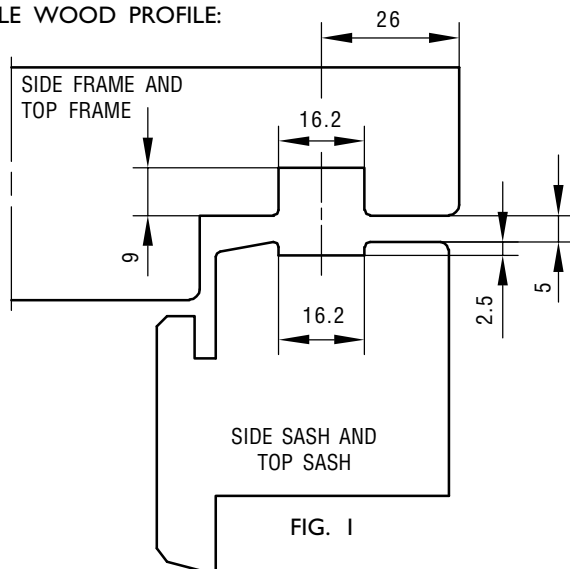


FIG. 1

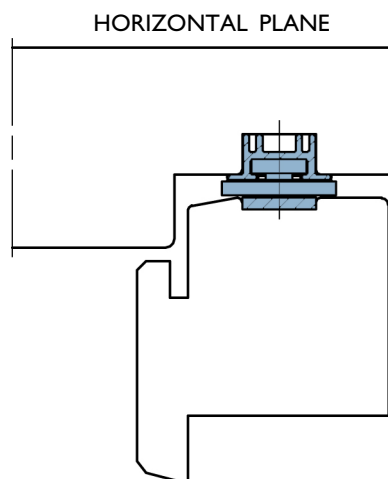


FIG. 2

## FITTING:

1. CLOSE THE FITTING AND PLACE IT IN THE GROOVE OF THE SIDE FRAME. PLACE THE FITTING AGAINST THE TOP FRAME. PLACE AND FASTEN THE SCREW IN THE BOTTOM HOLE OF THE FITTING. OPEN THE FITTING AND FASTEN THE REMAINING SCREWS.
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 STOP BRACKET
3. NOW THE FRICTION MAY BE ADJUSTED BY MEANS OF THE SCREWS IN THE SLIDES. WHEN ADJUSTING LET THE TOP GLIDER MOVE DOWN TO THE STOP. THE BEST RESULT FOR THE WINDOW MOVEMENT IS ACHIEVED BY EQUAL FRICTION IN EITHER SIDE.
4. THE SASH CAN BE ADJUSTED  $\pm 1.5$  MM UP OR DOWN. BEFORE ANY ADJUSTMENT THE MOUNTING SCREWS IN THE BOTTOM IN EACH SIDE OF THE FRAME HAVE TO BE LOOSENED. THEN ADJUST BY USING A TORX-20 KEY TO TURN THE ECCENTRIC SCREW. BY DELIVERY THE MARK ON THE 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. AFTER THE ADJUSTMENT THE MOUNTING SCREW IN THE BOTTOM OF EACH SIDE ARE FASTENED.

## MAINTENANCE:

THE FITTINGS ARE NOT TO BE PAINTED. TEST THE OPERATION FROM TIME TO TIME. WHEN FITTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HEREAFTER LUBRICATE MINIMUM TWICE A YEAR. DO NOT LUBRICATE THE ALUMINIUM RAILS. SEE ALSO INSTRUCTIONS ON PAGE 31 - 32.

IPA NO.	62988
MAX. SASH WEIGHT KG	50
MAX. SASH HEIGHT MM	940
SCREW	4.0

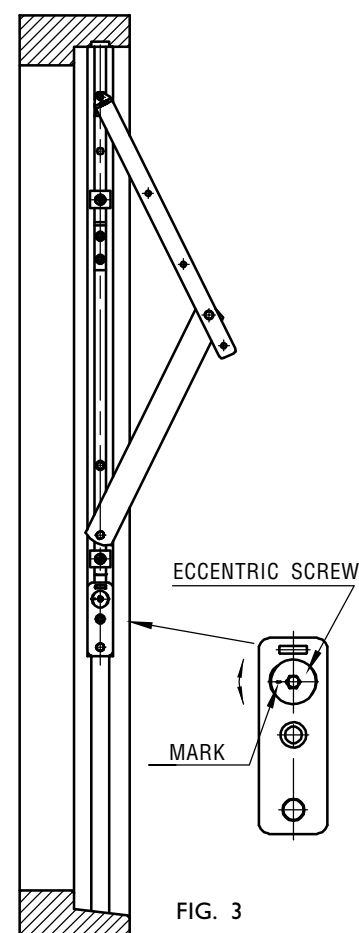


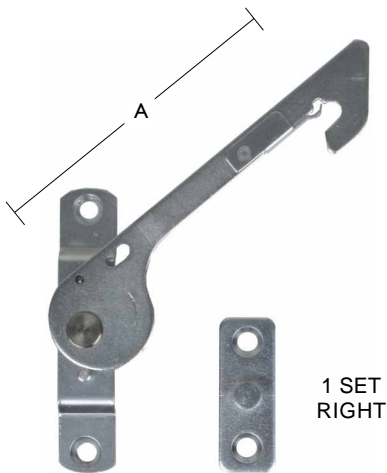
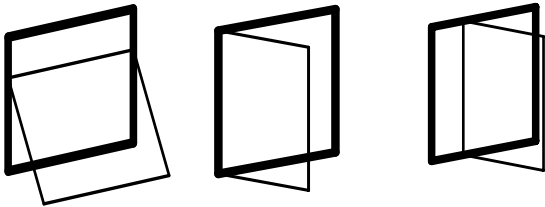
FIG. 3





# SAFETY CATCH

IPA No. 62936

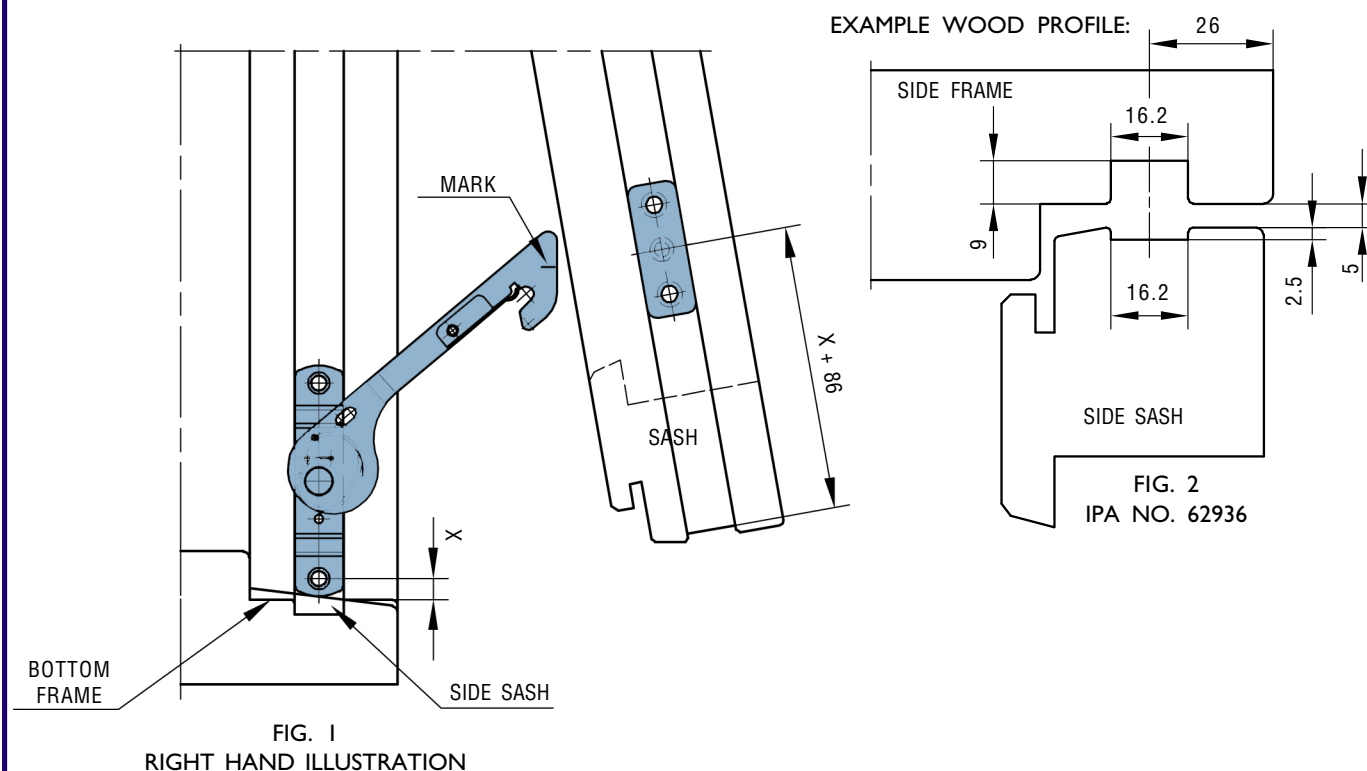


ORDERING NO.								
IPA NO.	MATERIAL			SURFACE	STANDARDPACKING IN BOXES OF 5 SETS	A MM	SCREW	APPROX. WEIGHT KG / SET
	STEEL	LEFT	RIGHT	ELECTROPLATED				
62936	1	7	8	21	1	92	4.0	0.06



IPA No. 62936

# FITTING INSTRUCTIONS



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. ON TOPHUNG/TOPGUIDED WINDOWS X MUST MINIMUM BE 7 MM. 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

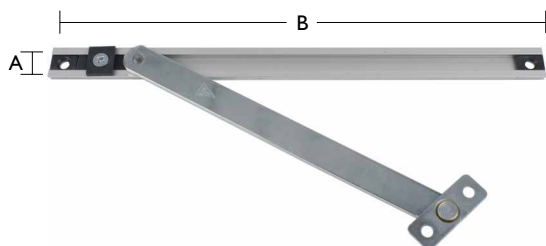
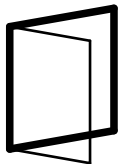
## MAINTENANCE:

THE FITTINGS ARE NOT TO BE PAINTED. TEST THE OPERATION FROM TIME TO TIME. WHEN FITTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HEREAFTER LUBRICATE MINIMUM TWICE A YEAR. DO NOT LUBRICATE THE ALUMINIUM RAILS. SEE ALSO INSTRUCTIONS ON PAGE 31 - 32.



# FRICTION STAY for windows

## IPA No. 62927



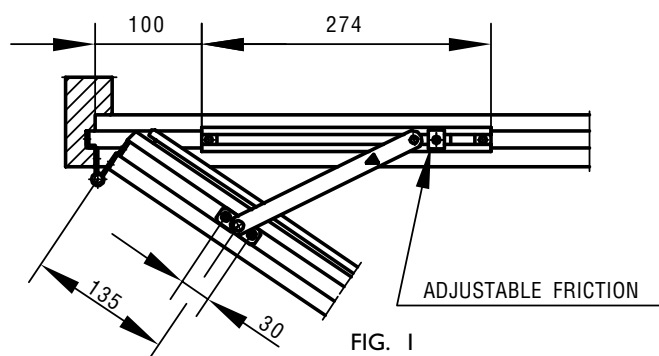
ORDERING NO.					A MM	B MM	MATERIAL MM	SCREW	APPROX. WEIGHT KG / PC.
IPA NO.	MATERIAL	W/O SPECIFICATION	SURFACE	STANDARD PACKING IN BOXES OF 25 PCS.					
	STEEL		ELECTROPLATED						
<b>62927</b>	<b>1</b>	<b>0</b>	<b>21</b>	<b>1</b>	23	274	17X3	4,0	0,16

- CONCEALED FITTING
- OPENS UP TILL 100°
- FRICTION IN ALL POSITIONS
- ADJUSTABLE FRICTION
- ANODIZED ALUMINIUM RAIL

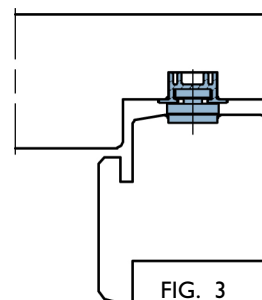
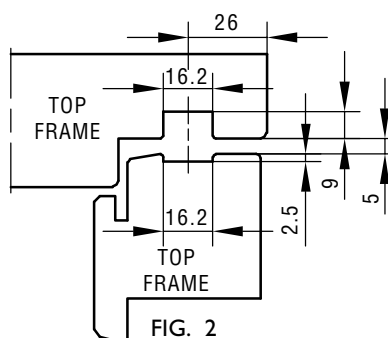


## IPA No. 62927

# FITTING INSTRUCTIONS



EXAMPLE WOOD PROFILE:



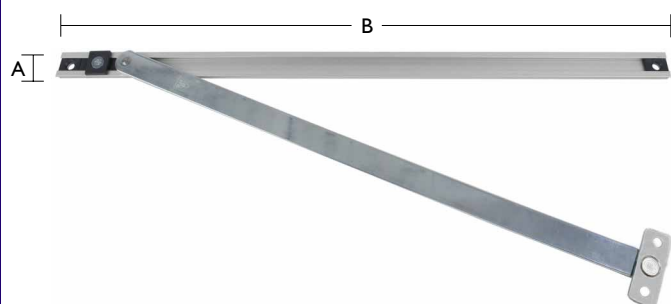
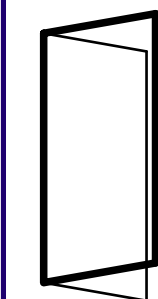
### MAINTENANCE:

THE FITTING ARE NOT TO BE PAINTED. TEST THE OPERATION FROM TIME TO TIME. WHEN MOUNTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HERAFTER LUBRICATE MINIMUM TWICE A YEAR. DO NOT LUBRICATE THE ALUMINIUM RAIL. SEE ALSO INSTRUCTIONS ON PAGE PAGE 31 - 32.



# FRICTION STAY for doors

IPA No. 63911



ORDERING NO.									
IPA NO.	MATERIAL	SURFACE		STANDARD PACKING IN BOXES OF 10 PCS.	A MM	B MM	MATERIAL MM	SCREW	APPROX. WEIGHT KG / PCS.
	STEEL	W/O SPECIFICATIONS	ELECTROPLATED						
63911	1	0	21	1	19	414	17X3	4,0	0,24

- CONCEALED FITTING
- OPENS UP TILL 100°
- FRICTION IN ALL POSITIONS
- ADJUSTABLE FRICTION
- ANODIZED ALUMINIUM RAIL



IPA No. 63911

## FITTING INSTRUCTIONS

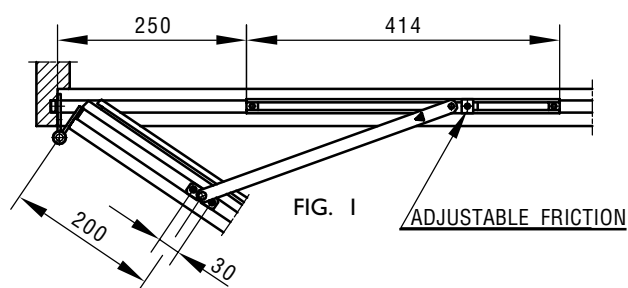


FIG. 1

ADJUSTABLE FRICTION

EXAMPLE WOOD PROFILE:

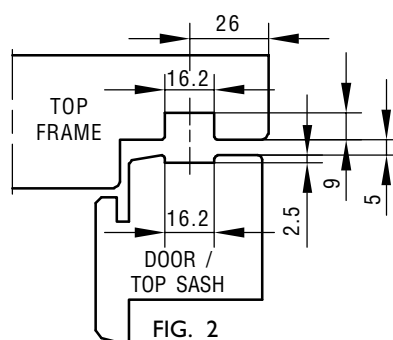


FIG. 2

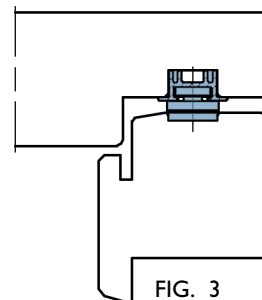


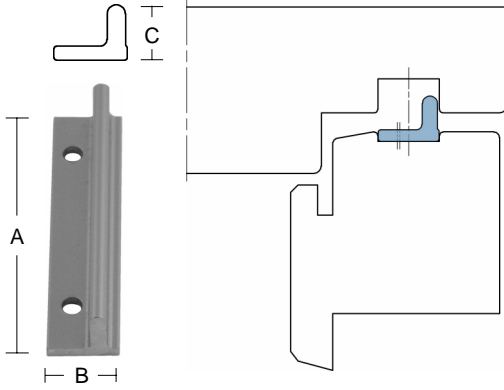
FIG. 3

### MAINTENANCE:

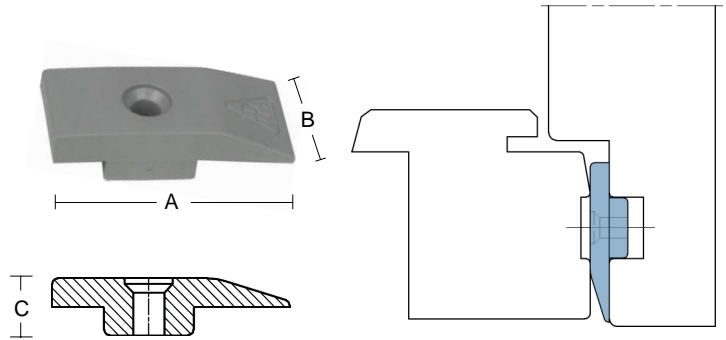
THE FITTING ARE NOT TO BE PAINTED. TEST THE OPERATION FROM TIME TO TIME. WHEN MOUNTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HERAFTER LUBRICATE MINIMUM TWICE A YEAR. DO NOT LUBRICATE THE ALUMINIUM RAIL. SEE ALSO INSTRUCTIONS ON PAGE 31 - 32.



# ACCESSORIES

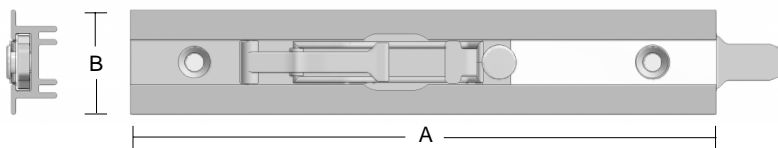


SUPPORT FITTING  
IPA NO. 62222

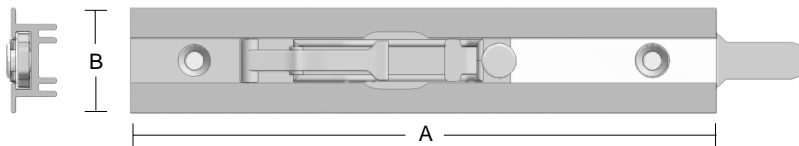


GUIDE BLOCK  
IPA NO. 63230

ORDERING NO.													
IPA NO.	MATERIAL		W/O SPECIFICATION	SURFACE		STANDARD PACKING IN BOXES OF 20 PCS.	STANDARD PACKING IN BOXES OF 25 PCS.	A MM	B MM	C MM	SCREW HOLES MM	SCREW	APPROX. WEIGHT KG / PC.
	ALUMINIUM	PLASTIC		ANODIZED	GREY								
62222	0	-	0	00	-	-	1	70	16	12	5.0	-	0.05
63230	-	9	0	-	54	1	-	42	20	10	-	4.0	0.04



FLUSH BOLT  
IPA NO. 63908

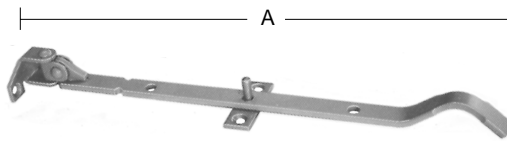


FLUSH BOLT  
IPA NO. 63909

ORDERING NO.											
IPA NO.	MATERIAL		SURFACE	STANDARD PACKING IN BOXES OF 10 PCS.	A MM	B MM	THICKNESS MM	BOLT MM	LENGTH BOLT MM	***	APPROX. WEIGHT KG / PC.
	STEEL	SQUARE EDGES									
63908	1	5	21	1	128	23	10	8.5X2.5	15	3.5	0.05
63909	1	5	21	1	128	23	10	8.5X2.5	20	3.5	0.05



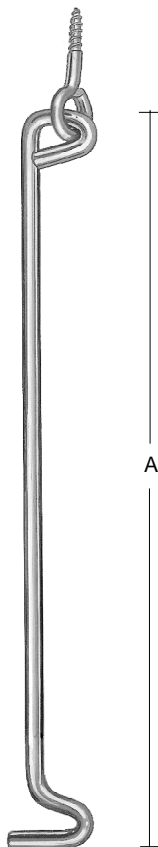
# ACCESSORIES



IPA NO.s 21311-13

## CASEMENT STAYS

ORDERING NO.										
IPA NO.	MATERIAL	SURFACE				STANDARD PACKING IN BOXES OF 10 PIECES	AMM	MATERIAL	SCREW	APPROX. WEIGHT KG/EACH
	STEEL	WITHOUT SPECIFICATION								
		ELECTROPL./WHITE	ELECTROPLATED	ELECTROPLATED YELLOW						
21311	1	0	06	21	25	1	220	15X4	4,0	0,17
21313	1	0	06	21	25	1	310	15X4	4,0	0,21



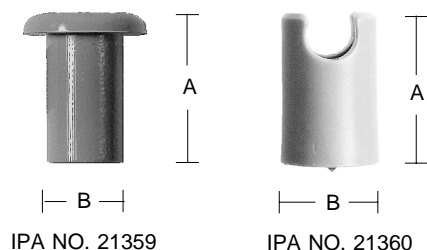
IPA NO.s 21343-57

## CASEMENT HOOKS

ORDERING NO.											
IPA NO.	MATERIAL			SURFACE			STANDARD PACKING IN BOXES OF 25 PIECES		A MM	MATERIAL	APPROX. WEIGHT KG/100 PCS.
	STEEL	WITHOUT SPECIFICATION	ELECTROPL./WHITE	ELECTROPLATED YELLOW	GALVANIZED						
21343	1	0	06	25	87	1	-	105	6	5,0	
21345	1	0	06	25	87	1	-	155	6	6,4	
21347	1	0	06	25	87	1	-	210	6	7,5	
21349	1	0	06	25	87	1	-	260	6	8,8	
21351	1	0	06	25	87	1	-	310	6	10,0	
21353	1	0	06	25	87	1	-	390	6	11,8	
21355	1	0	06	-	87	1	-	470	6	13,5	
21357	1	0	-	-	87	-	3	625	8	36,6	



# ACCESSORIES



## HOOK HOLDERS

ORDERING NO.								
IPA NO.	MATERIAL	WITHOUT SPECIFICATION	SURFACE		STANDARD PACKING IN BOXES OF 100 PIECES	A MM	B MM	SCREW
	PLASTIC		GREY	WHITE				
21359	9	0	-	56	1	18,5	9,5	-
21360	9	0	54	56	1	19,0	12,0	3,5

## HOOK CATCHES

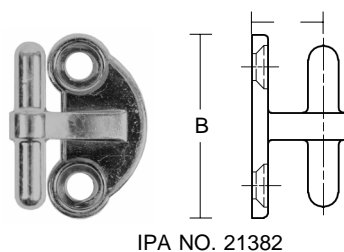
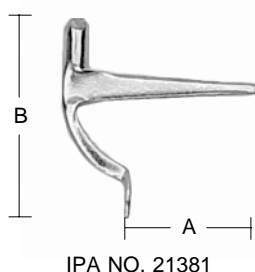


ORDERING NO.								
IPA NO.	MATERIAL	WITHOUT SPECIFICATION	SURFACE				A MM	HOLE MM
	STEEL		ELECTROPL. WHITE	ELECTROPLATED	ELECTROPL. YELLOW	GALVANIZED		
21361	1	0	-	21	25	-	25	8
21363	1	0	06	21	25	87	25	8

## NAILS



ORDERING NO.								
IPA NO.	MATERIAL	WITHOUT SPECIFICATION	SURFACE			STANDARD PACKING IN BOXES OF 1 KG.	A MM	THICKNESS MM
	STEEL		ELECTROPL. WHITE	ELECTROPLATED	ELECTROPL. YELLOW			
21369	1	0	06	21	25	1	25	2,5



## HOOK CATCHES

ORDERING NO.											
IPA NO.	MATERIAL		WITHOUT SPECIFICATION	SURFACE				STANDARD PACKING IN BOXES OF 50 PIECES	STANDARD PACKING IN BOXES OF 100 PIECES	INDUSTRY PACKING IN BOXES OF 100 PIECES	INDUSTRY PACKING IN BOXES OF 250 PIECES
	STEEL	BRASS		ELECTROPL. WHITE	ELECTROPLATED	ELECTROPL. YELLOW	POLISHED				
21381	1	-	0	06	21	25	-	-	1	-	2
	-	6	0	-	-	-	85	1	-	2	-
21382	1	-	0	06	-	-	-	-	-	2	-
	1	-	0	-	21	25	-	1	-	2	-



# CASEMENT HOOK

IPA No. 21370 - 79



IPA NO. 21376



IPA NO. 21371



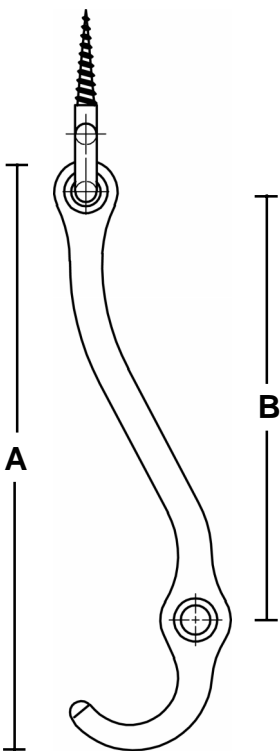
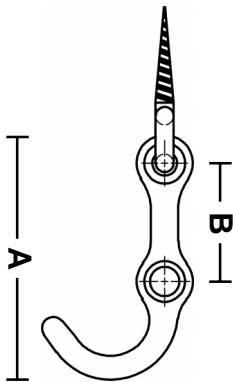
IPA NO.s 21370 &  
21372-73



IPA NO. 21378



IPA NO. 21379



ORDERING NO.																
IPA NO.	MATERIAL				SURFACE				STANDARD PACKING IN BOXES OF 50 PIECES	STANDARD PACKING IN BOXES OF 100 PIECES	INDUSTRY PACKING IN BOXES OF 100 PIECES	INDUSTRY PACKING IN BOXES OF 250 PIECES	A MM	B MM	HOLE FOR PIN MM	APPROX. WEIGHT KG/100 PCS.
	ZINK ALLOY	STEEL	BRASS		WITHOUT SPECIFICATION	ELECTROPLATED/WHITE	ELECTROPLATED	ELECTROPLATED YELLOW								
21370	0	-	-	0	06	21	25	-	-	-	-	2	130	95	6	5,0
21371	0	-	-	0	06	21	25	-	-	-	-	2	130	95	6	6,0
21372	-	1	-	0	06	21	25	-	1	-	-	-	130	95	6	5,0
	-	1	-	0	-	21	25	-	-	-	-	2				
	-	-	6	0	-	-	-	85	1	-	2	-				
21373	-	1	-	0	06	21	25	-	1	-	-	2	170	140	6	6,0
21376	-	1	-	0	06	21	25	-	-	1	-	-	54	27	6	1,3
	-	1	-	0	-	21	-	-	-	-	-	2				
21378	0	-	-	0	-	-	25	-	1	-	-	-	120	93	6	4,8
	0	-	-	0	06	21	25	-	-	-	-	2				
21379	0	-	-	0	-	21	25	-	1	-	-	-	120	93	6	5,6
	0	-	-	0	06	21	25	-	-	-	-	2				





# IPA No. 21370 - 73 & 21378 - 79 FITTINGS INSTRUCTIONS

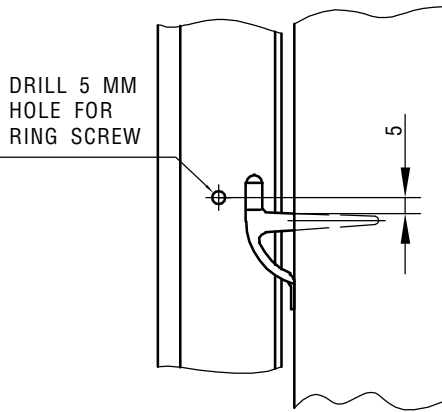


FIG. 1  
IPA NO. 21381

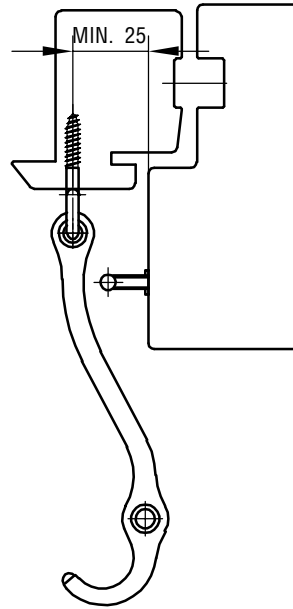


FIG. 2  
IPA NO. 21372  
WITH 21381

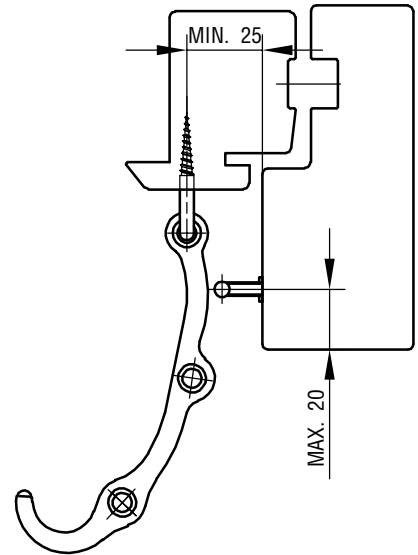


FIG. 3  
IPA NO. 21378  
WITH 21381

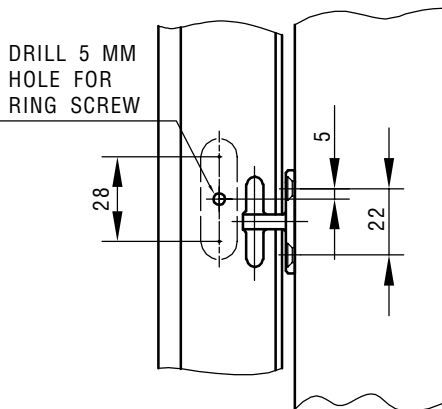


FIG. 4  
IPA NO. 21382

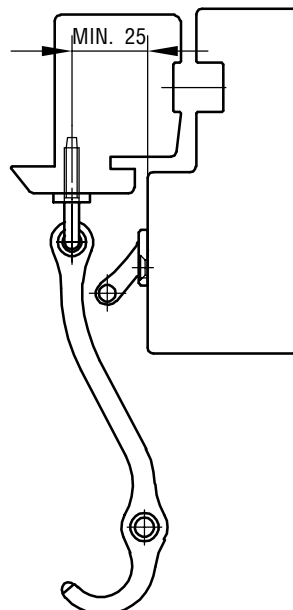


FIG. 5  
IPA NO. 21371  
WITH 21382

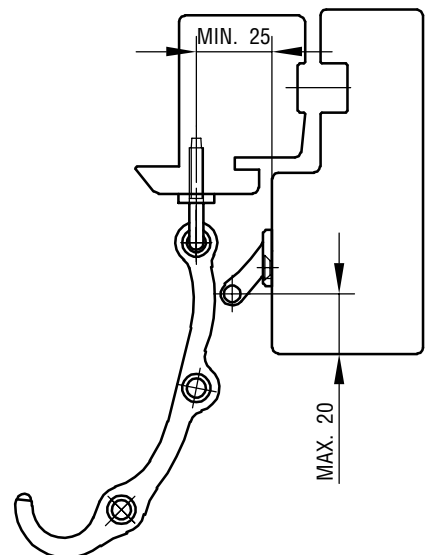
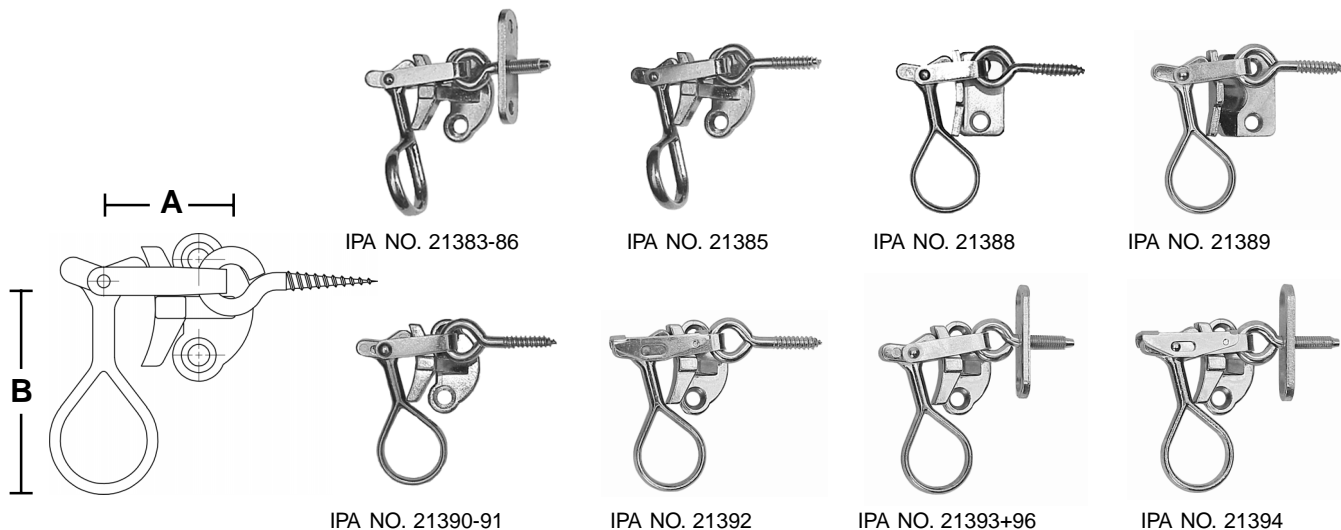


FIG. 6  
IPA NO. 21379  
WITH 21382



# CASEMENT FASTENERS

## IPA No. 21383 - 96



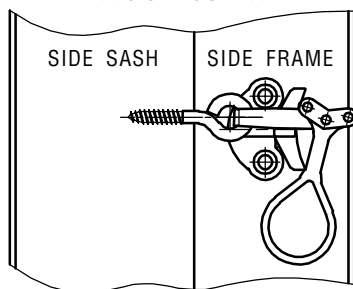
ORDERING NO.																	
IPA NO.	MATERIAL		WITHOUT SPECIFICATION	SURFACE					STANDARD PACKING IN BOXES OF 25 PIECES	STANDARD PACKING IN BOXES OF 50 PIECES	INDUSTRY PACKING IN BOXES OF 200 PIECES	INDUSTRY PACKING IN BOXES OF 500 PIECES	A MM	B MM	SCREW	EYE SCREW	APPROX. WEIGHT KG/100 PCS.
	STEEL	BRASS		ELECTROPLATED/WHITE	PHOSPH. BROWN	ELECTROPLATED	ELECTROPLATED YELLOW	POLISHED									
21383	1	-	0	-	-	21	25	-	-	-	-	2	24	50	3,5	M5x20	4,0
21385	1	-	0	06	-	21	25	-	-	1	-	-	28	50	3,5	-	4,0
	1	-	0	06	-	-	25	-	-	-	-	2					
21386	1	-	0	06	-	21	25	-	-	1	-	-	28	50	3,5	M5x15	5,0
	1	-	0	-	-	21	25	-	-	-	-	2					
21388	1	-	0	06	-	21	25	-	-	1	-	-	21	50	3,5	-	4,0
	1	-	0	-	-	21	25	-	-	-	-	2					
21389	1	-	0	06	-	21	25	-	-	1	-	-	24	50	3,5	-	4,6
	1	-	0	-	-	21	25	-	-	-	-	2					
21390	1	-	0	-	-	21	25	-	-	-	-	2	24	50	3,5	-	3,8
21391	1	-	0	06	12	21	25	-	-	1	-	-	28	50	3,5	-	4,00
	1	-	0	06	-	21	25	-	-	-	-	2					
	-	6	0	-	-	-	-	85	-	1	2	-					
21392	1	-	0	-	-	21	25	-	1	-	-	-	28	50	3,5	-	4,40
21393	1	-	0	06	12	21	25	-	-	1	-	-	28	50	3,5	M5x20	4,40
	1	-	0	06	-	21	25	-	-	-	-	2					
21394	1	-	0	-	-	21	25	-	1	-	-	-	28	50	3,5	M5x20	5,00
21396	1	-	0	06	-	21	25	-	-	-	-	2	24	50	3,5	M5x20	5,00



**IPA No. 21383 - 96**

# FITTINGS INSTRUCTIONS

CASEMENT HOOK WITH  
WOOD SCREW



CASEMENT HOOK WITH  
SCREW PLATE

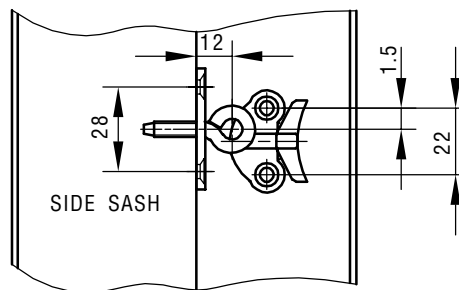
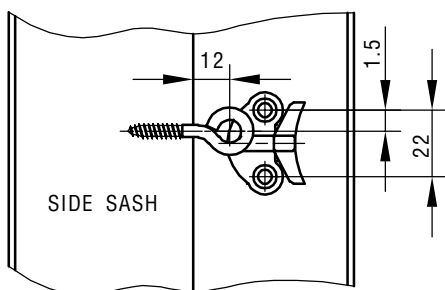
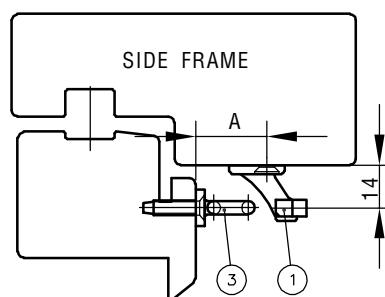
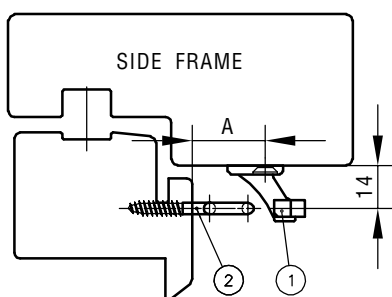
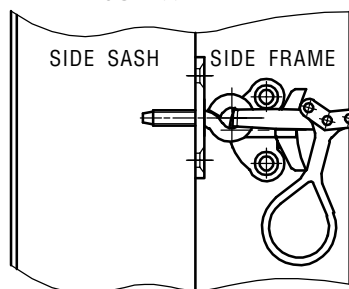


FIG. 1

IPA NO. 21385 + 21388-92

FIG. 2

IPA NO. 21383 + 21386 + 21393-96

IPA NO.	21385 21391-92	21388	21389	21390	21383+96	21386 21393-94
A MM	24	19	11	20	18	22

## MOUNTING:

1. MOUNT THE RECEIVER (1), ON SIDE FRAME IN THE WANTED HEIGHT.

2. IPA NO. 21385+21388-92:

MEASURE PRECISELY ON THE SIDE SASH FOR THE CASEMENT HOOK WITH WOOD SCREW (2).

PRE-DRILL A HOLE FOR THE WOOD SCREW. FASTEN THE CASEMENT HOOK WITH WOOD SCREW.

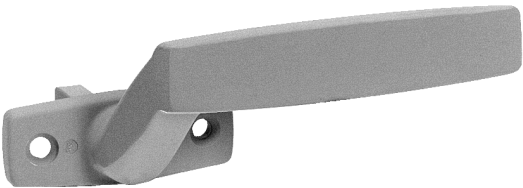
IPA NO. 21383+21386+21393-96:

MEASURE PRECISELY ON THE SIDE SASH FOR THE CASEMENT HOOK WITH SCREW PLATE (3).

PRE-DRILL A 5.0 MM HOLE FOR THE THREADED SCREW AND PRE-DRILL THE HOLES FOR THE WOOD SCREWS. MARK UP FOR THE 2 SCREW HOLES ON THE SASH AND PRE-DRILL THE HOLES. FASTEN THE CASEMENT HOOK WITH SCREW PLATE



# HANDLES FOR WINDOW ESPAGNOLETTES



**23228-29+33-34**  
RIGHT

## HANDLES

ORDERING NO.											
IPA NO.	MATERIAL			SURFACE		STANDARDPACKING IN BOXES OF 10 PCS.	PIN MM	DISTANCE BETWEEN SCREWHOLE MM	LENGTH OF PIN MM	HOLES FOR SCREWS MM	WEIGHT APPROX. KGS / EACH.
	ALLOY	LEFT	RIGHT	DULL CROME	CROME						
23228	0	7	8	80	-	1	8	42	43	5	0,15
23229	0	7	8	-	81	1	8	42	43	5	0,15
23233	0	7	8	80	-	1	7	42	43	5	0,15
23234	0	7	8	-	81	1	7	42	43	5	0,15



**23238**

## SAFETY LOCK

ORDERING NO.						
IPA NO.	MATERIAL	W/O SPECIFICATION	SURFACE		STANDARDPACKING IN BOXES OF 5 PCS.	HOLE MM
	STEEL		DULL CROME	CROME		
23238	1	0	80	81	1	8 X 8

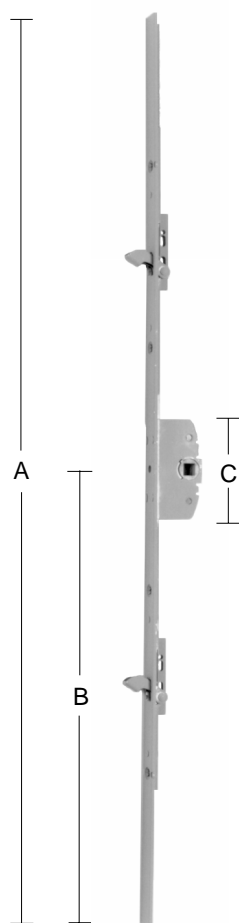
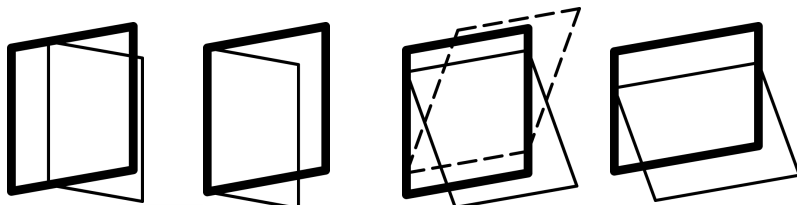
FOR HANDLES 23228-29+33-34



# ESPAGNOLETES

## WITH SIDE BOLTS

### IPA NO.s 23615-24 & Receivers



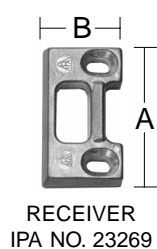
23701-24

12 MM SIDE BOLTS

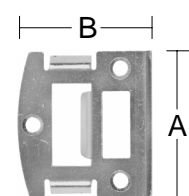
ORDERING NO.														
IPA NO.	MATERIAL	SURFACE		STANDARD PACKING IN BOXES OF 10 PIECES	A MM	B MM	BACKSET MM	PIN MM	C MM	D MM	FACEPLATE MM	THICKNESS PLATE MM	SCREW	APPROX. WEIGHT KG / EACH
	STEEL	SQUARE EDGES	ELECTROPLATED											
23615	1	6	21	1	600	300	28	8	66	37	16	2,5	4,0	0,30
23616	1	6	21	1	720	360	28	8	66	37	16	2,5	4,0	0,35
23617	1	6	21	1	820	410	28	8	66	37	16	2,5	4,0	0,40
23618	1	6	21	1	920	460	28	8	66	37	16	2,5	4,0	0,45
23619	1	6	21	1	1020	510	28	8	66	37	16	2,5	4,0	0,50
23620	1	6	21	1	1120	560	28	8	66	37	16	2,5	4,0	0,55
23621	1	6	21	1	1220	610	28	8	66	37	16	2,5	4,0	0,60
23622	1	6	21	1	1320	660	28	8	66	37	16	2,5	4,0	0,65
23623	1	6	21	1	1420	710	28	8	66	37	16	2,5	4,0	0,70
23624	1	6	21	1	1400	700	28	8	66	37	16	2,5	4,0	0,75

- CONSEALED FITTINGS
- IMPROVED SECURITY IN CLOSED POSITION
- USABLE FOR TOP HUNG WINDOWS ALSO

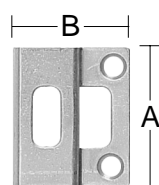
## RECEIVERS



RECEIVER  
IPA NO. 23269



RECEIVER  
IPA NO. 63252



RECEIVER  
IPA NO. 23270

ORDERING NO.														
IPA NO.	MATERIAL		WITHOUT SPECIFICATION	SURFACE		STANDARD PACKING IN BOXES OF 20 PIECES	STANDARD PACKING IN BOXES OF 25 PIECES	INDUSTRY PACKING IN BOXES OF 100 PIECES	A MM	B MM	C MM	MATERIAL MM	SCREW	APPROX. WEIGHT KG/100 PCS.
	STEEL	STAINLESS STEEL		ELECTROPLATED	UNMACHINED									
23269	1	-	0	21	-	1	-	2	46	25	-	7,00	4,0	3,0
23270	-	8	0	-	86	1	-	-	46	38,5	18	1,75	4,0	2,6
63252	1	-	0	21	-	-	1	-	55	50	-	1,50	3,5	2,3

# FITTING INSTRUCTIONS

FIG. 1

THE FITTINGS ARE NOT TO BE PAINTED. TEST THE OPERATION FROM TIME TO TIME. WHEN MOUNTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HEREAFTER LUBRICATE MINIMUM TWICE A YEAR. SEE ALSO PAGE 31 - 32.

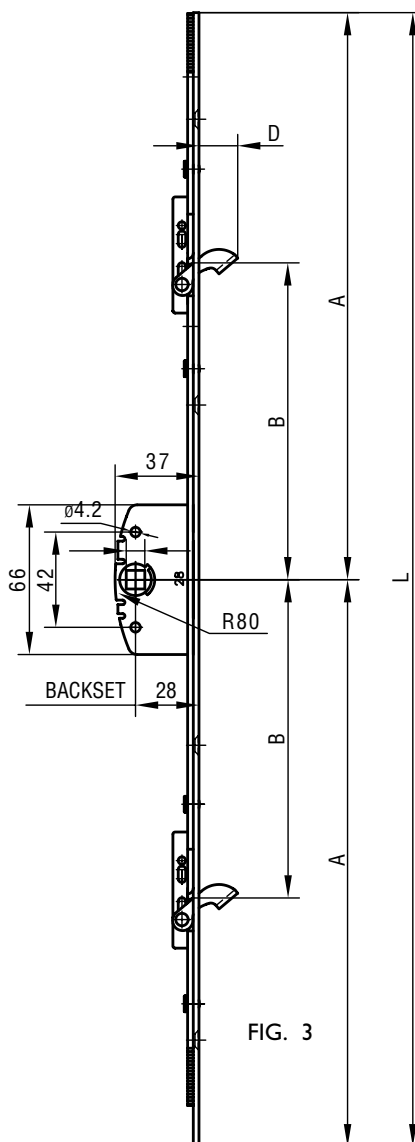
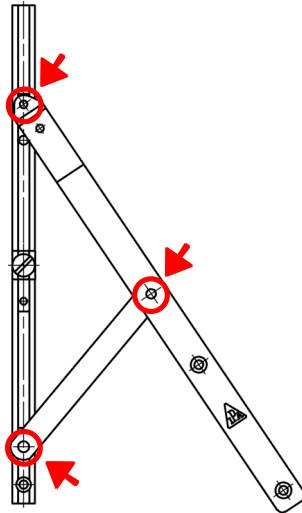


FIG. 3

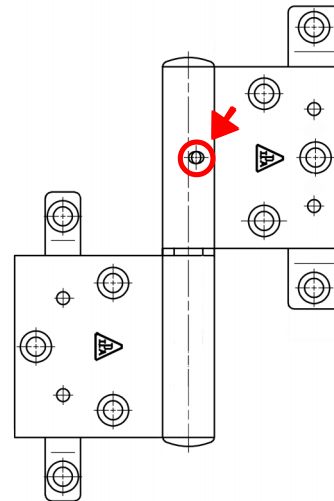
IPA NO. 23615-24



# MAINTENANCE LUBRICATION INSTRUCTIONS



IPA NO. 62944-52  
IPA NO. 62970-75  
IPA NO. 62986-88



IPA NO. 61974  
IPA NO. 61998

**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 aluminium rails.

**ESPAÑOLETES 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.**





# NOTES

[illegible]

# NOTES

[illegible]





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

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