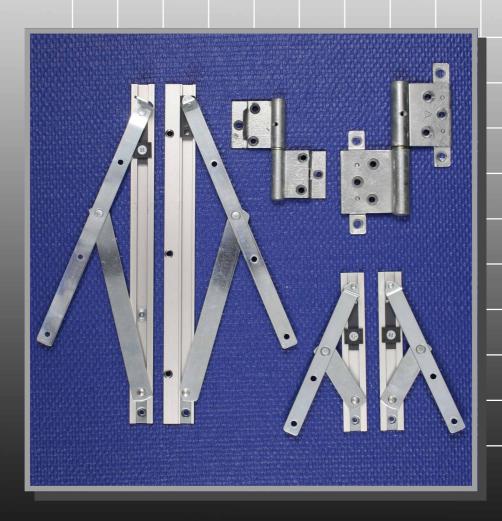
IPA FITTINGS

FOR 16 X 5 MM GROOVE



2012



A/S J. PETERSENS BESLAGFABRIK

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FITTINGS FOR 16 X 5 GROOVE

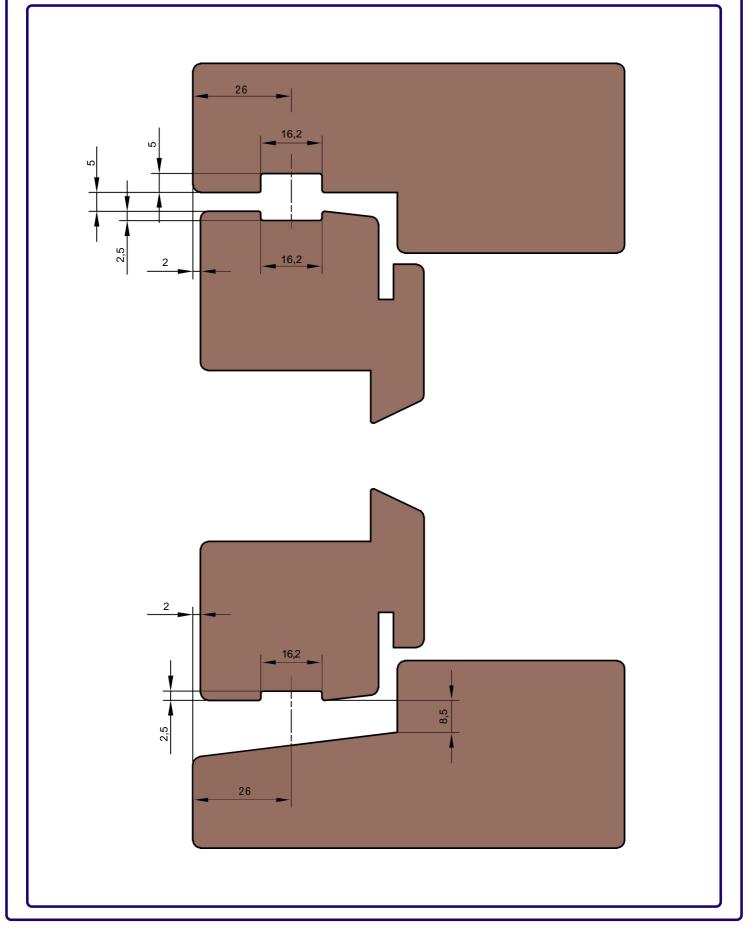
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4



16 X 5 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.

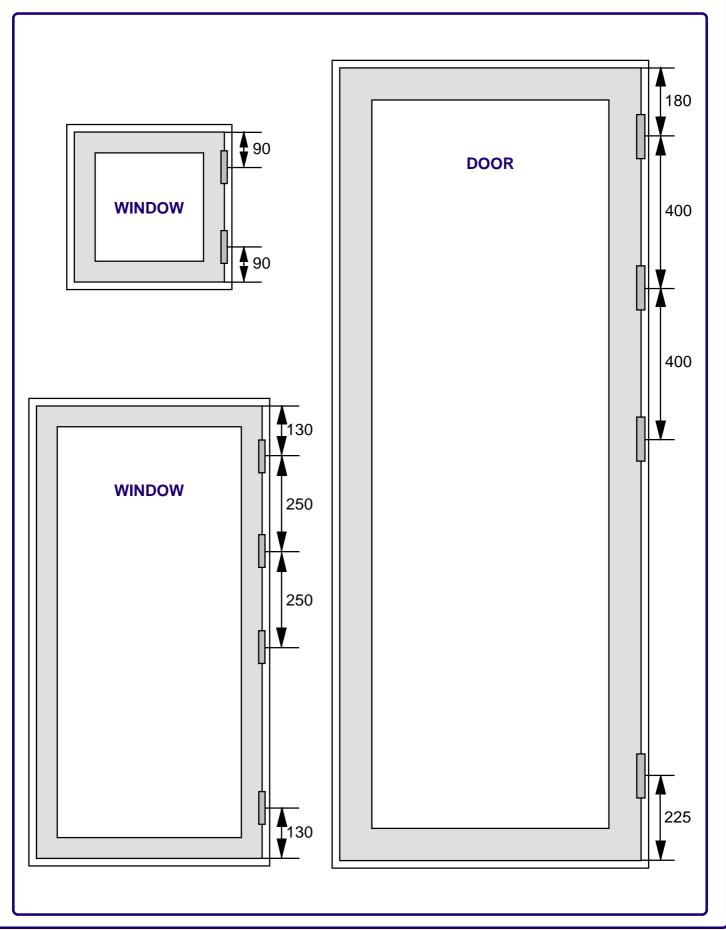
All door hinges with steel pin meets the requirements of class 13 (120 Kgs.) in accordance with DS/EN 1935. The same hinges with brass pin meets the requirements of class 11 (80 Kgs.) in accordance with DS/EN 1935

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

6

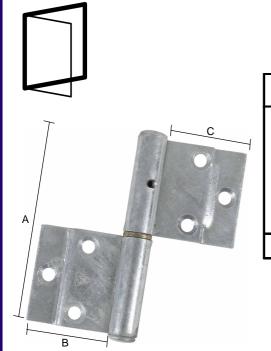


SUGGESTION - HINGE POSITIONS





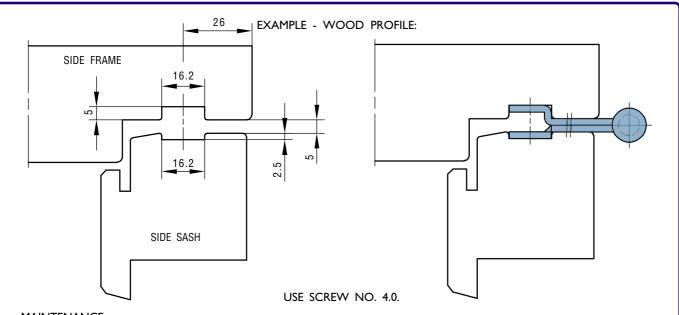
WINDOW HINGE IPA No. 61574



ORDERING NO.													
	MATI	ERIAL			SURFACE								
IPA NO.	STEEL FIXED STEEL PIN	STEEL FIXED BRASS PIN	SQUARE EDGES LEFT	SQUARE EDGES RIGHT	GALVANIZED	INDUSTRY PACKING IN BOXES OF 100 PIECES	ЫМ А	ыы а	ЫΜЭ	MATERIAL MM	ЫМ NIA	SCREW	APPROX. WEIGHT KG / PC.
61574	2	3	3	4	87	2	90	38.5	38.5	2.5	8	4.0	0.17



IPA No. 61574 **FITTING INSTRUCTIONS**

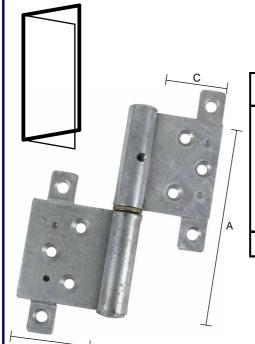


MAINTENANCE:

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.



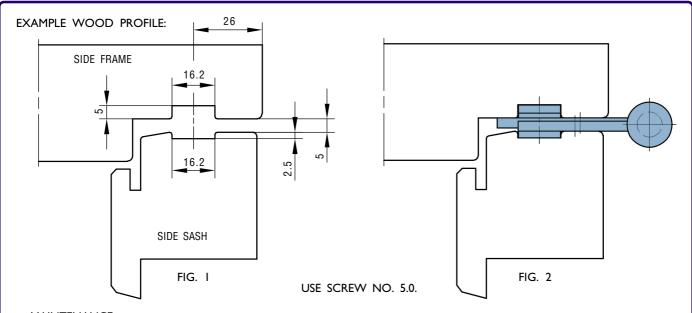
DOOR HINGEIPA No. 61598



ORDERING NO.													
	MATE	ERIAL			SURFACE								
IPA NO.	STEEL FIXED STEEL PIN	STEEL FIXED BRASS PIN	SQUARE EDGES LEFT	SQUARE EDGES RIGHT	GALVANIZED	INDUSTRY PACKING IN BOXES OF 50 PIECES	ММ А	ЫМ В	ЫΜЭ	MATERIAL MM	MM NIG	SCREW	APPROX. WEIGHT KG / PC.
61598	2	3	3	4	87	2	120	49	41	4.0	9.5	5.0	0.43



IPA No. 61598 FITTING INSTRUCTIONS



MAINTENANCE:

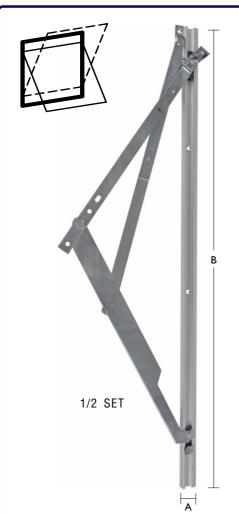
TEST THE OPERATION FROM TIME TO TIME. WHEN FITTING - GREASE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HEREAFTER GREASE MINIMUM TWICE A YEAR. SEE ALSO INSTRUCTIONS ON PAGE 31 - 32.



REVERSIBLE

PROJECTING GEARS

IPA No.s 62544-52, IPA No. 62562 & IPA No. 62155



	ORDERI	٧G	NO.						
	MATERIAL	S	SURFACE	(J			SZ		L
IPA NO.	STEEL	W/O SPECIFICATIONS	ELECTROPLATED	STANDARD PACKING IN BOXES OF I SET	мм ү	ЫМ 8	FRAME DIMENSIONS INSIDE MM	SCREW	APPROX. WEIGHT KG / SET
62544	1	0	21	1	18	532	532-643	4.0	1.08
62545	1	0	21	1	18	644	644-743	4.0	1.26
62546	1	0	21	1	18	744	744-843	4.0	1.44
62547	1	0	21	1	18	844	844-943	4.0	1.62
62548	1	0	21	1	18	944	944-1043	4.0	1.80
62549	1	0	21	1	18	1044	1044-1143	4.0	1.98
62550	1	0	21	1	18	1144	1144-1243	4.0	2.16
62551	1	0	21	1	18	1244	1244-1343	4.0	2.34
62552	1	0	21	1	18	1344	1344-1443	4.0	2.52

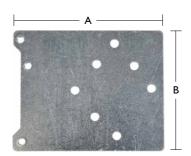
- CONSEALED FITTING
- ADJUSTABLE FRICTION
- FULLY REVERSIBLE 170°
- OPENS CLEAR OF CURTAINS AND WINDOW FRAME
- ANODIZED ALUMINIUM RAILS



	ORDERI						
	MATERIAL		SURFACE	G. S.			Т
IPA NO.	STEEL	LEFT	ELECTROPLATED	STANDARD PACKING IN BOXES OF 20 PCS.	ыы ү	SCREW	APPROX. WEIGHT KG / PC.
62562	1	7	21	1	170	3.5	0.08

FIRE-ESCAPE OPENING: 500 MM FROM IPA No. 62547 600 MM FROM IPA No. 62549

SAFETY RESTRICTOR IPA NO. 62562

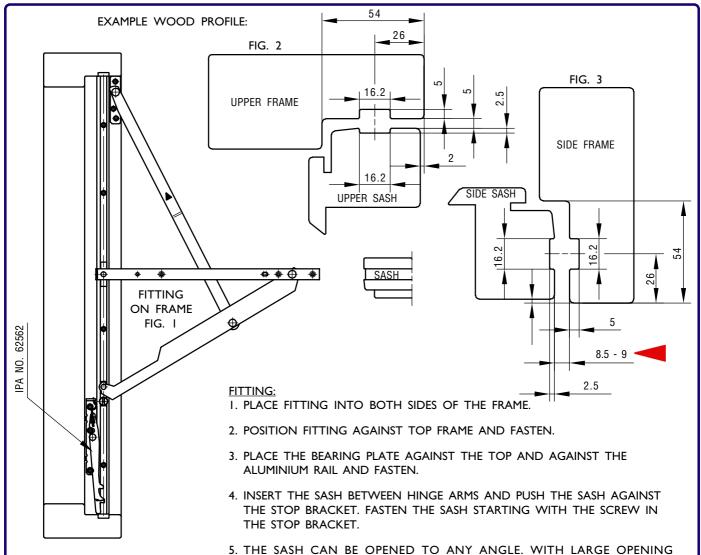


THREATED PLATE IPA NO. 62155

ORDERING NO.								
	MATR.		SURFACE	()				T
IPA NO.	STEEL	W/O SPECIFICATION	ELECTROPLATED	STANDARD PACKING IN BOXES OF 25 PCS.	ММ А	ым в	SCREW	APPROS. WEIGHT KG / PC.
62155	1	0	21	1	80	64	4,0	0,12



IPA No. 62544-52 & 62562 **FITTINGS INSTRUCTIONS**



IPA NO.	FITTING LENGTH MM	MAX. WEIGHT KGS.							
62544	532	45							
62545	644	45							
62546	744	45							
62547	844	45							
62548	944	45							
62549	1044	45							
62550	1144	45							
62551	1244	45							
62552	1344	45							
USE T	USE THE LARGEST POSSIBLE								

FITTING

6. FIT THE RESTRICTOR IPA NO. 62562 ON THE LEFT SIDE, SEE FIG. I. USE SCREW NO. 4.0.

OPERATION INSTRUCTIONS:

I. OPEN THE WINDOW - THE RESTRICTOR WILL AUTOMATICALLY RESTRICT THE WINDOW.

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.

- 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 LOCK 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. HERAFTER LIBRICATE MINIMUM TWICE A YEAR. DO NOT GREASE THE ALUMINIUM RAILS. TEST THE OPERATION FROM TIME TO TIME. SEE ALSO INSTRUCTIONS ON PAGE 31 - 32.



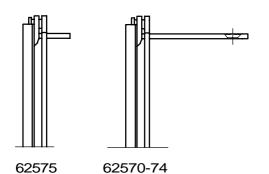
CANOPY STAYWITH FRICTION IPA No. 62570-75





	ORDERING NO.								
	MATERIAL		SURFACE						_
IPA NO.	STEEL	W/O SPECIFICATION	ELECTROPLATED	STANDARDPACKING IN BOXES OF 5 SETS	INDUSTRY PACKING IN BOXES OF 25 SETS	мм ү	ЫМ В	SCREW	APPROX. WEIGHT KG / SET
62570	1	0	21	•	2	19	255	4.0	0.44
62573	1	0	21	•	2	19	445	4.0	0.64
62574	1	0	21	1	-	19	703	4.0	1.02
62575	1	0	21	1	-	19	152	4.0	0.26

- **■** ADJUSTABLE FRICTION
- CONCEALED FITTINGS
- ANODIZED ALUMINIUM RAILS



FIRE-ESCAPE OPENING: IPA NO. 62570 500 MM FROM SASH HEIGHT 826 MM

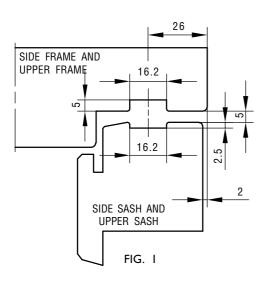
IPA NO. 62573 500 MM FROM SASH HEIGHT 926 MM 600 MM FROM SASH HEIGHT 1026 MM

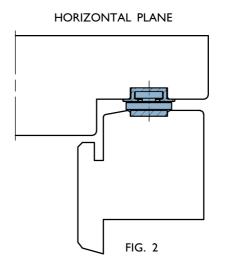
IPA NO. 62574 500 MM FROM SASH HEIGHT 1126 MM 600 MM FROM SASH HEIGHT 1326 MM



IPA No. 62570-75 **FITTINGS INSTRUCTIONS**

EXAMPLE WOOD PROFILE:





IPA NO.	62570	62573	62574	62575
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:

- I. 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 SCREWHOLE 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. 62570-74).
- 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.

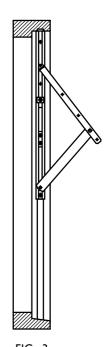
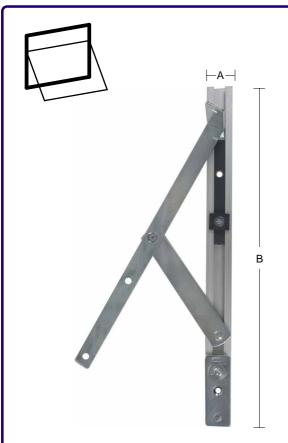


FIG. 3



ADJUSTABLE CANOPY STAY

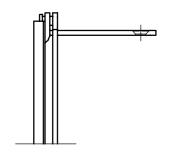
WITH FRICTION IPA No. 62586-87



1/2 8	SET
-------	-----

	ORDERIN	1G	NO.					
	MATERIAL		SURFACE	S				T
IPA NO.	STEEL	W/O SPECIFICATION	ELECTROPLATED	INDUSTRY PACKING IN BOXES OF 25 SETS	мм ү	ыы а	SCREW	APPROX. WEIGHT KG / SET
62586	1	0	21	2	19	306	4.0	0.53
62587	1	0	21	2	19	496	4.0	0.74

- VERTICALLY ADJUSTABLE ± 1.5 MM
- ADJUSTABLE FRICTION
- CONCEALED FITTINGS
- ANODIZED ALUMINIUM RAILS



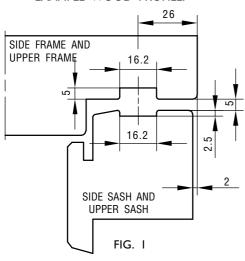
FIRE-ESCAPE OPENING: IPA NO. 62586 500 MM FROM SASH HEIGHT 826 MM

IPA NO. 62587 500 MM FROM SASH HEIGHT 926 MM 600 MM FROM SASH HEIGHT 1026 MM



IPA No. 62586-87 **FITTINGS INSTRUCTIONS**

EXAMPLE WOOD PROFILE:



7		
IPA NO.	62586	62587
MAX. SASH WEIGHT KGS	40	50
MAX. SASH HEIGHT MM	840	1340
SCREW	4.0	4.0

HORIZONTAL PLANE

FITTING:

- I. 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. 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 ±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 ±1.5 MM. AFTER THE ADJUSTMENT THE MOUNTING SCREW IN THE BOTTOM OF EACH SIDE ARE FASTENED.

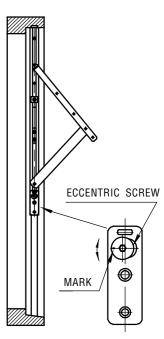


FIG. 3

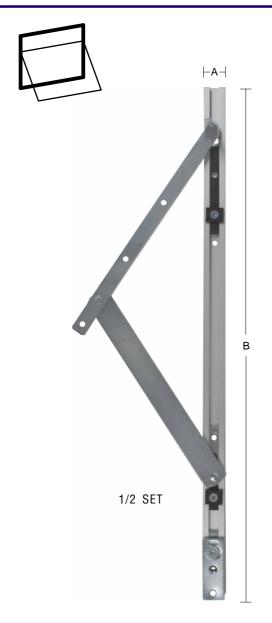
MAINTENANCE:

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.



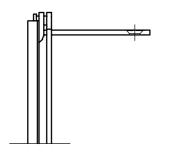
ADJUSTABLE CANOPY STAY

WITH ADJUSTABLE FRICTION IPA No. 62588



	ORDERIN	1G	NO.					
	MATERIAL	7	SURFACE	٥.,				Т
IPA NO.	STEEL	W/O SPECIFICATION	ELECTROPLATED	STANDARD PACKING IN BOXES OF 5 SETS	ММ	ым а	SCREW	APPROX. WEIGHT KG / SET
62588	1	0	21	1	19	537	4.0	0.76

- VERTICALLY ADJUSTABLE ± 1.5 MM
- ADJUSTABLE FRICTION
- CONCEALED FITTINGS
- ANODIZED ALUMINIUM RAILS

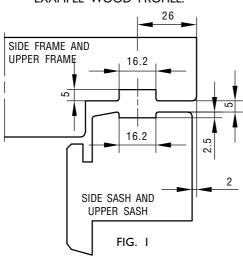


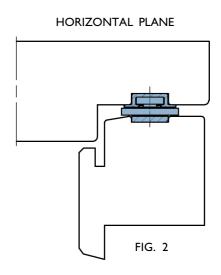
FIRE-ESCAPE OPENING: IPA NO. 62588 500 MM FROM SASH HEIGHT 626 MM 600 MM FROM SASH HEIGHT 726 MM



IPA No. 62588 **FITTINGS INSTRUCTIONS**

EXAMPLE WOOD PROFILE:





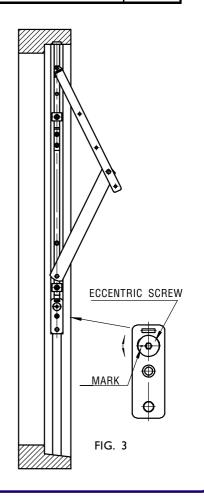
IPA NO.	62588
MAX. SASH WEIGHT KGS	50
MAX. SASH HEIGHT MM	940
SCREW	4.0

FITTING:

- I. 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. 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. 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 ±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 ±1.5 MM. AFTER THE ADJUSTMENT THE MOUNTING SCREW IN THE BOTTOM OF EACH SIDE ARE FASTENED.

MAINTENANCE:

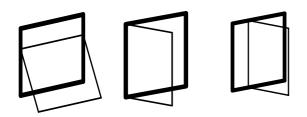
THE FITTINGS ARE NOT TO BE PAINTED. TEST THE OPERATION FROM TIME TO TIME. WHEN FITTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HEREAFTER LUBRICATE MINIMUM TWICE A YEAR. DO NOT LUBRICATE THE ALUMINIUM RAILS. SEE ALSO INSTRUCTIONS ON PAGE 31 - 32.

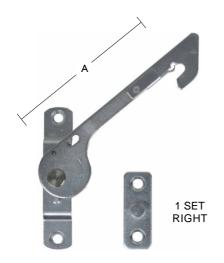




SAFETY CATCH

IPA No. 62536

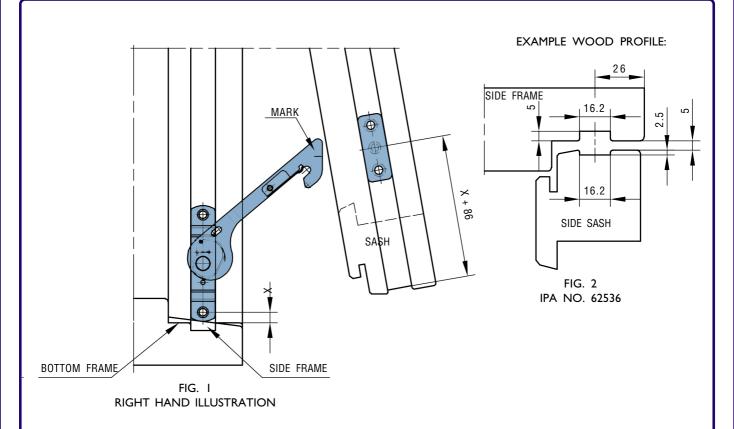




	ORDER	IN	G N	10.				
	MATERIAL			SURFACE				Т
IPA NO.	STEEL	LEFT	RIGHT	ELECTROPLATED	STANDARDPACKING IN BOXES OF 5 SETS	ым ү	SCREW	APPROX. WEIGHT KG / SET
62536	1	7	8	21	1	92	4.0	0.06



IPA No. 62536 **FITTINGS 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 $\underline{\text{MUST}}$ BE MOUNTED SO THAT IT HITS THE MARK ON THE RESTRICTOR ARM WHEN THE WINDOW IS CLOSED. SEE FIG. I

OPERATING INSTRUCTIONS:

- I. 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

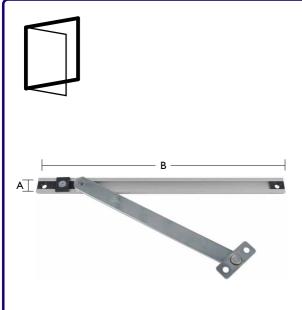
MAINTENANCE:

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. 62527

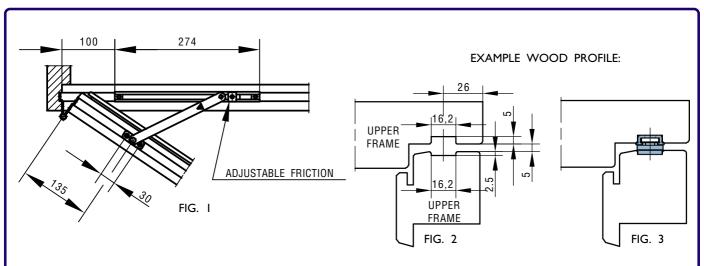


		ORDERII	١G	NO.						
		MATERIAL		SURFACE	IG S.					Г
IPA N	Ο.	STEEL	W/O SPECIFICATION	ELECTROPLATED	STANDARD PACKING IN BOXES OF 25 PCS.	мм ү	ым в	MATERIALMM	SCREW	APPROX. WEIGHT KG / PC.
6252	7	1	0	21	1	19	274	17X3	4.0	0.14

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



IPA No. 62527 **FITTING INSTRUCTIONS**



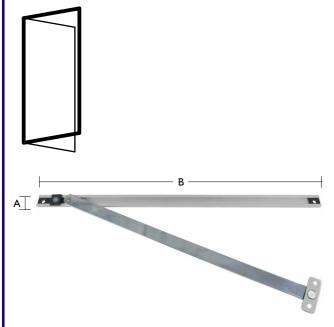
MAINTENANCE:

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. 63511

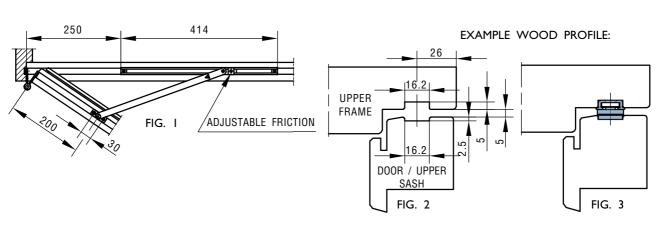


	ORDERII	٧G	NO.						
	MATERIAL	IS	SURFACE	ن ن					Т
IPA NO.	STEEL	W/O SPECIFICATIONS	ELECTROPLATED	STANDARD PACKING IN BOXES OF 10 PCS.	мм ү	В ММ	MATERIAL MM	SCREW	APPROX. WEIGHT KG / PCS.
63511	1	0	21	1	19	414	17X3	4.0	0.22

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



IPA No. 63511 FITTING INSTRUCTIONS

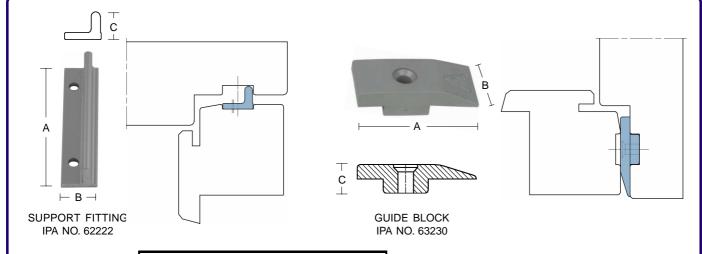


MAINTENANCE:

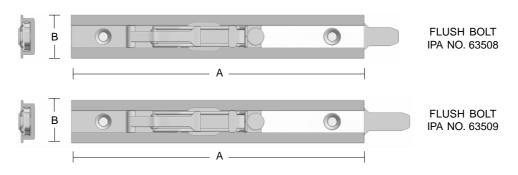
THE FITTING ARE NOT TO BE PAINTED. TEST THE OPERATION FROM TIME TO TIME. WHEN MOUNTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HERAFTER LUBRICATE MINIMUM TWICE A YEAR. DO NOT LUBRICATE THE ALUMINIUM RAIL. SEE ALSO INSTRUCTIONS ON PAGE 31 - 32.



ACCESSORIES



		ORD	ER	ING N	О.								
	MATE	RIAL		SUR	FACE	N U	N G				Σ		Т
IPA N0.	ALUMINIUM	PLASTIC	W/O SPECIFICATION	ANODIZED	GREY	STANDARD PACKING BOXES OF 20 PCS.	STANDARD PACKING IN BOXES OF 25 PCS.	мм ү	в мм	ММЭ	SCREW HOLES MM	SCREW	APPROX. WEIGHT KG / PC.
62222	0	•	0	00	•	-	1	70	16	12	5.0	ı	0.05
63230	·	9	0	•	54	1	•	42	20	10	-	4.0	0.04



	ORDERIN	١G	NO.								
	MATERIAL		SURFACE	انہ، ق					Σ		Т
IPA NO.	STEEL	SQUARE EDGES	ELECTROPLATED	STANDARD PACKIN IN BOXES OF 10 PCS	им ү	ым а	THICKNESS MM	ВОГТ ММ	LENGTH BOLT MM	SCREW	APPROX. WEIGHT KG / PC.
63508	1	5	21	1	128	19	6	8.5X2.5	15	3.5	0.04
63509	1	5	21	1	128	19	6	8.5X2.5	20	3.5	0.04

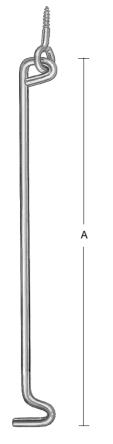


ACCESSORIES



CASEMENT STAYS

	ORDER	RIN	G N	О.						
	MATERIAL		sı	JRFA	CE					
IPA NO.	STEEL	WITHOUT SPECIFICATION	ELECTROPL./WHITE	ELECTROPLATED	ELECTROPLATED YELLOW	STANDARD PACKING IN BOXES OF 10 PIECES	мwa	MATERIAL	SCREW	APPROX. WEIGHT KG/EACH
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

	ORD	ER	ING	NO						
	MATERIAL		SU	JRFA	CE					
IPA NO.	STEEL	WITHOUTSPECIFICATION	ELECTROPL./WHITE	ELECTROPLATED YELLOW	GALVANIZED	STANDARD PACKING IN BOXES OF 25 PIECES	SINGLE PCS.	ЫМ А	MATERIAL	APPROX. WEIGHT KG/100 PCS.
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



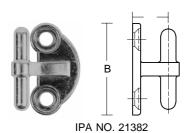
ACCESSORIES











HOOK HOLDERS

	ORDERII	NG	NO.						
	MATERIAL	CATION	SUR	FACE	CKING IN PIECES				THT.
IPA NO.	PLASTIC	WITHOUT SPECIFICAT	GREY	WHITE	STANDARD PACKING IN BOXES OF 100 PIECES	ЫМ А	ММ8	SCREW	APPROX. WEIGHT KG/100 PCS.
21359	9	0	•	56	1	18,5	9,5	-	0,10
21360	9	0	54	56	1	19,0	12,0	3,5	0,19

HOOK CATCHES

	0											
	MATERIAL	NOI		SUR	FACE		z	Z				_
IPA NO.	STEEL	WITHOUT SPECIFICATION	ELECTROPL./WHITE	ELECTROPLATED	ELECTROPL. YELLOW	GALVANIZED	STANDARD PACKING BOXES OF 25 PIECES	STANDARD PACKING IN BOXES OF 100 PIECES	ММΑ	НОГЕММ	THIKNESSMM	APPROX. WEIGHT KG/EACH
21361	1	0	•	21	25	•	-	1	25	8	4,0	0,6
21363	1	0	06	21	25	87	1		25	8	4,7	0,8

NAILS

	ORDE	RIN	IG N	Ο.					
	MATERIAL	NO	SI	JRFAC	CE	z			
IPA NO.	STEEL	WITHOUTSPECIFICATION	ELECTROPL./WHITE	ELECTROPLATED	ELECTROPL. YELLOW	STANDARD PACKING IN BOXES OF 1 KG.	WW Y	ТНІКИЕЅЅММ	APPROX. WEIGHT KG/100 PCS.
21369	1	0	06	21	25	1	25	2,5	0,1

HOOK CATCHES

			(ORD	ERII											
	маті	ERIAL	NO		SUR	FACE		z	z	_	7					
IPA NO.	STEEL	BRASS	WITHOUT SPECIFICATION	ELECTROPL./WHITE	ELECTROPLATED	ELECTROPL. YELLOW	POLISHED	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	WW V	ЫΜЯ	ЫМNIA	ноге мм	APPROX. WEIGHT KG/100 PCS.
21201	1	•	0	06	21	25	•	-	1	•	2	20	47	E E	2.5	0.75
21381	-	6	0	•	•	•	85	1	-	2	•	28	47	5,5	3,5	0,75
21202	1	•	0	06	٠	•	•	-	•	•	2	13,3	34	5.6	3.5	1.4
21382	1	•	0	•	21	25	•	1	-	-	2	13,3	34	5,0	ა,ე	1,4



CASEMENT HOOKIPA No. 21370 - 79







IPA NO. 21371



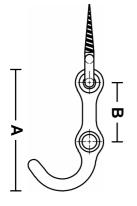
IPA NO.s 21370 & 21372-73

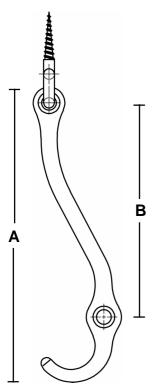


IPA NO. 21378



IPA NO. 21379





	70 0 0 06 21 25 71 0 - 0 06 21 25 71 - 0 06 21 25 72 - 73 - 1 - 0 06 21 25 - 1 73 - 1 - 0 06 21 25 - 1 73 - 1 - 0 06 21 25 - 1 73 - 1 - 0 06 21 25 - 1 74 - 75 - 75 - 75 - 75 - 75 - 75															
	MA	TER	IAL			SUR	FACE									CS.
IPA NO.	ZINK ALLOY	STEEL	BRASS		ELECTROPLATED/WHITE	ELECTROPLATED		POLISHED	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	ММΑ	ым а	HOLE FOR PIN MM	APPROX. WEIGHT KG/100 PCS.
21370	0	•	-	0	06	21	25	•	-	•	•	2	130	95	6	5,0
21371	0	-	-	0	06	21	25	-	-	-	-	2	130	95	6	6,0
	•	1	-	0	06	21	25	•	1	-	•	•				
21372	•	1	-	0	•	21	25	•	•	-	•	2	130	95	6	5,0
	•	•	6	0	-	-	-	85	1		2					
21373	•	1	-	0	06	21	25	-	1	•	•	2	170	140	6	6,0
04070	•	1	-	0	06	21	25	-	-	1	•	-	<i></i>	07		10
21376	-	1	-	0	-	21	-	-	-	-	-	2	54	27	6	1,3
04070	0	-	-	0	-	-	25	-	1	•	•	-	100	00	C	4.0
21378	0	-	-	0	06	21	25	-	-	-	•	2	120	93	6	4,8
04070	0	-	-	0	-	21	25	-	1	•	•	-	100	00	C	г с
21379	0	-	-	0	06	21	25	-	-	-	•	2	120	93	6	5,6



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

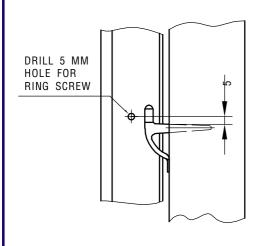


FIG. 1 IPA NO. 21381

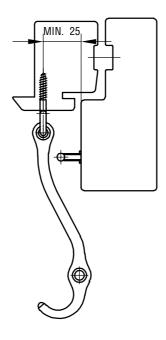


FIG. 2 IPA NO. 21372 WITH 21381

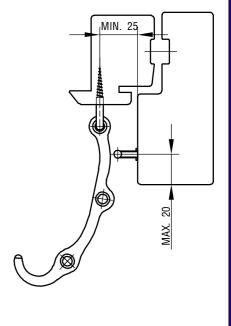


FIG. 3 IPA NO. 21378 WITH 21381

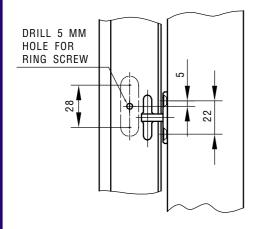


FIG. 4 IPA NO. 21382

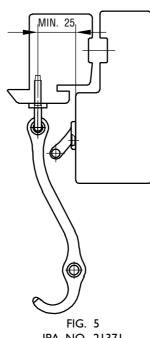


FIG. 5 IPA NO. 21371 WITH 21382

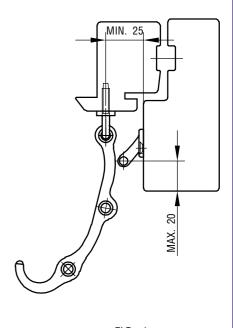
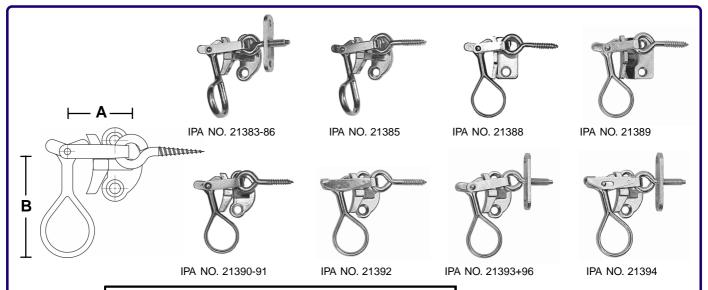


FIG. 6 IPA NO. 21379 WITH 21382



CASEMENT FASTENERS

IPA No. 21383 - 96

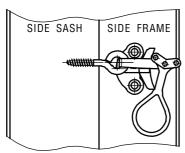


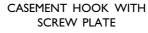
				OR	DER												
	MATE	ERIAL			SU	JRFA	CE										CS.
IPA NO.	STEEL	BRASS	WITHOUT SPECIFICATION	ELECTROPLATED/WHITE	PHOSPH. BROWN	ELECTROPLATED	ELECTROPLATED YELLOW	РОЦІЗНЕВ	STANDARD PACKING IN BOXES OF 25 PIECES	STANDARD PACKING IN BOXES OF 50 PIECES	INDUSTRY PACKING IN BOXES OF 200 PIECES	INDUSTRY PACKING IN BOXES OF 500 PIECES	WW Y	ММ 8	SCREW	EYE SCREW	APPROX. WEIGHT KG/100 PCS.
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
21000	1	-	0	06	-	•	25	-	-	-	-	2	20	00	0,0		4,0
21386	1	-	0	06	•	21	25	-	-	1	-	-	28	50	3,5	M5x15	5,0
21000	1	-	0	-	-	21	25	-	-	-	-	2			0,0	ΙΙΙΟΧΙΟ	0,0
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
	1	-	0	06	12	21	25	-	-	1	-	-					
21391	1	•	0	06	-	21	25	-	•	-	-	2	28	50	3,5	-	4,00
	-	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

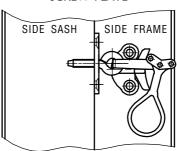


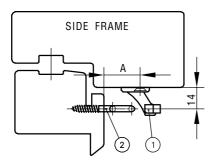
IPA No. 21383 - 96 **FITTINGS INSTRUCTIONS**

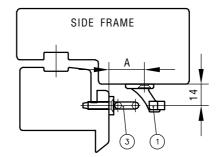
CASEMENT HOOK WITH WOOD SCREW

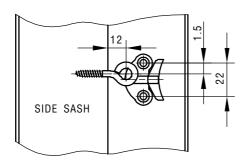












SIDE SASH

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

I. 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 THREATED 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



HANDLESFOR WINDOW ESPAGNOLETTES

HANDLES



23228-29+33-34

RIGHT

	ORDER	IN	G I	10 .							
	MATERIAL			SUR	FACE	CD (G		Z -	Σ		J
IPA NO.	АЦОҮ	LEFT	RIGHT	DULL CROME CROME		STANDARDPACKING IN BOXES OF 10 PCS.	MM NIA	DISTANCE BETWEEN SCREWHOLES MM	LENGTH OF PIN MM	HOLES FOR SCREWS MM	WEIGHT APPROX. KGS / EACH.
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

	ORDERI	NC	NO.			
	MATERIAL	7	SURI	FACE	(J .	
IPA NO.	STEEL	W/O SPECIFIKATION	DULLCROME	CROME	STANDARDPACKING IN BOXES OF 5 PCS.	ноге мм
23238	1	0	80	81	1	8 X 8

FOR HANDLES 23228-29+33-34

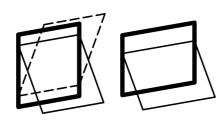


ESPAGNOLETTES

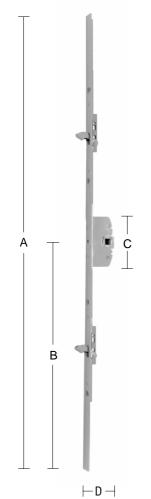
WITH SIDE BOLTS IPA NO.s 23615-24 & Receivers







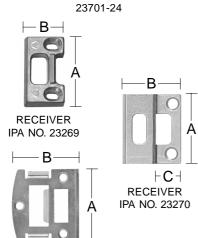




	ORDERIN	1G	NO.											
	MATERIAL		SURFACE	G CES							7	Σ		Ŧ
IPA NO.	STEEL	SQUARE EDGES	ELECTROPLATED	STANDARD PACKING IN BOXES OF 10 PIECES	мм А	ВММ	BACKSET MM	MM NIG	СММ	ММ О	FACEPLATE MM	THICKNESS PLATE	SCREW	APPROX. WEIGHT KG / EACH
23615	1	6	21	1	600	300	28	8	66	37	16	2,5	4,0	0,30
23616	1	6	21	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. 63252

	STEEL STAINLESS S' WITHOUT S ELECTROPLA UNMACHINE STANDARD F BOXES OF 22 STANDARD F BOXES OF 22													
	MATE	RIAL	NOI	SURI	FACE	z	Z	7						
IPA NO.	STEEL		SPECIFIC	0	UNMACHINED	PACKING 0 PIECES	ARD PACKING OF 25 PIECES	INDUSTRY PACKING IN BOXES OF 100 PIECES	ЫΜΑ	ЬΜЯ	ММЭ	MATERIAL MM	SCREW	APPROX. WEIGHT KG/100 PCS.
23269	1	-	0	21	-	1	•	2	46	25	ı	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	1,50	3,5	2,3



IPA No.s 23615 - 24 **FITTINGS INSTRUCTIONS**

IPA NO.	L MM	A MM	B MM	D MM
23615	600	300	140	12
23616	720	360	140	12
23617	820	410	190	12
23618	920	460	240	12
23619	1020	510	290	12
23620	1120	560	340	12
23621	1220	610	390	12
23622	1320	660	440	12
23623	1420	710	490	12
23624	1400	700	540	12



SHORTENING POSSIBILITIES:

WITHOUT FRICTION STAY:

130 MM AT THE TOP WITH SIDE BOLTS OUT. 130 MM AT THE BOTTOM WITH SIDE BOLTS IN.

WITH FRICTION STAY MOUNTED (TOP):

(TO MOUNT FRICTION STAY MIN. 60 MM HAS TO BE CUT OF.)

IIO MM AT THE TOP WITH SIDE BOLTS OUT.

130 MM AT THE BOTTOM WITH SIDE BOLTS IN.

WITH FRICTION STAY MOUNTED (BOTTOM):

(TO MOUNT FRICTION STAY MIN. 60 MM HAS TO BE CUT OF)

130 MM AT THE TOP WITH SIDE BOLTS OUT.

110 MM AT THE BOTTOM WITH SIDE BOLTS IN.

IPA NO. 23615 AND 23624:

WITHOUT FRICTION STAY:

70 MM AT THE TOP WITH SIDE BOLTS OUT.

70 MM AT THE BOTTOM WITH SIDE BOLTS IN.

WITH FRICTION STAY MOUNTED (TOP):

50 MM AT THE TOP WITH SIDE BOLTS OUT.

70 MM AT THE BOTTOM WITH SIDE BOLTS IN.

WITH FRICTION STAY MOUNTED (BOTTOM):

70 MM AT THE TOP WITH SIDE BOLTS OUT.

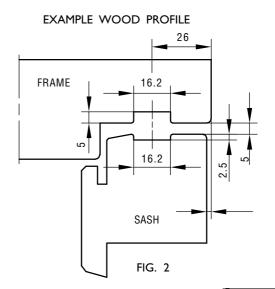
50 MM AT THE BOTTOM WITH SIDE BOLTS IN.

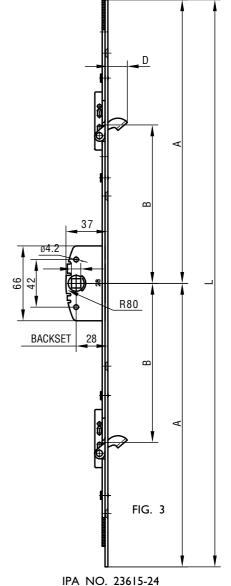
FACE PLATE: 16 MM

USE SCREW NO. 4.

MAINTENANCE:

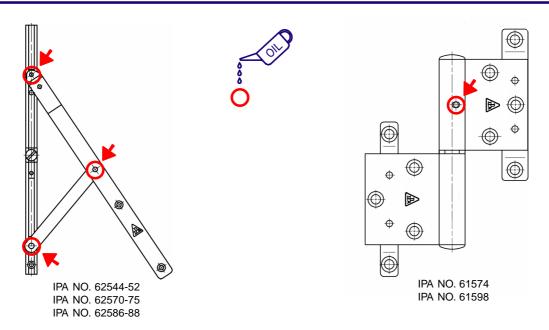
THE FITTINGS ARE NOT TO BE PAINTED. TEST THE OPERATION FROM TIME TO TIME. WHEN MOUNTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HEREAFTER LUBRICATE MINIMUM TWICE A YEAR. SEE ALSO PAGE 31 - 32.







MAINTENANCE LUBRICATION INSTRUCTIONS



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.

ESPAGNOLETTES 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......



be used.

take place as soon as possible.

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.

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*

Always make sure that the proper function of a fitting is not affected by the painting.

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

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





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A/S J. PETERSENS BESLAGFABRIK

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