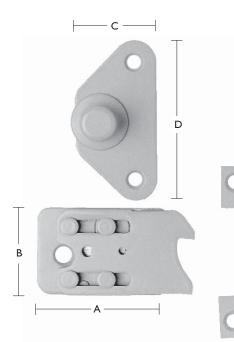
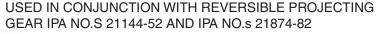




	ORDERI	NG	NO.				_			
	MATERIAL		SURFACE							CH
IPA NO.	STEEL	LEFT	ELFCTROPLATED	STANDARD PACKING IN BOXES OF 10 PIECES	MM A	MM 8	C MM	ЫМ С	SCREW	APPROX.WEIGHT KG/EACH
21160	1	7	21	1	50	34	30	60	3,5 & 4,0	0,12









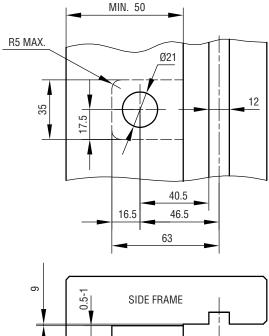
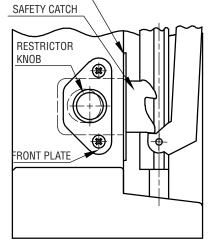
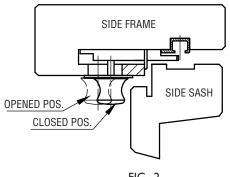


FIG. I

COVER PLATE







EXAMPLE WOOD PROFILE - SEE FIG. I.

MOUNTING:

- 1. PLACE THE SAFETY CATCH INTO THE CUT OUT, HOLD AGAINST THE EDGE OF THE ALUMINIUM CHANNEL. THEN FASTEN WITH A NO. 4 SCREW RIGHT THROUGH THE 21 MM HOLE.
- 2. PLACE THE COVER PLATE OVER THE CUT OUT AND THE VISIBLE PART OF THE SAFETY CATCH, FASTEN WITH TWO NO. 3.5 SCREWS.
- 3. PLACE THE RESTRICTOR KNOB OVER THE 21 MM HOLE. THE PIN ON THE BACKSIDE OF THE OPERATING HANDLE MUST BE MOUNTED IN THE HOLE (4 MM) ON THE SAFETY CATCH. PUSH THE FRONT PLATE AWAY FROM THE WINDOW SO THAT THE RESTRICTOR KNOB HAS THE MAXIMUM POSSIBLE MOVEMENT - FASTEN THE TWO NO. 3.5 SCREWS ON THE FRONT PLATE.
- 4. CONTROL OF FUNCTION:

THE RESTRICTOR KNOB MUST HAVE A MOVEMENT OF APPROXIMATELY 7 MM AND BE ABLE TO RETURN BY ITSELF. THE SAFETY CATCH MUST FOLLOW THE MOVEMENT OF THE RESTRICTOR KNOB.

OPERATING INSTRUCTIONS:

- I. OPEN THE SASH UNTIL THE SAFETY CATCH ENGAGES.
- 2. PULL IN THE SASH APPROXIMATELY 20 MM. DRAW THE RESTRICTOR KNOB DIRECTLY TOWARDS YOU, AND OPEN SASH.
- 3. THE SASH STOPS AUTOMATICALLY IN THE CLEANING POSITION. TO RELEASE THE SASH FOLLOW PROCEDURE AS GIVEN IN POINTS I AND 2.

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 SECTION H.



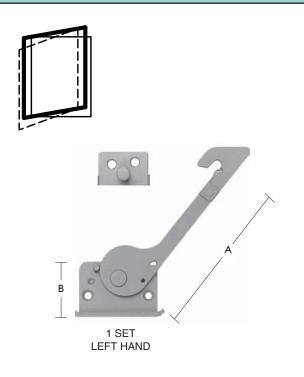
SUPPORT RAIL IPA NO. 21227

		ORDER	RIN	G I	NO.					
		MATERIAL			SURFACE					E
	IPA NO.	ALUMINIUM/PLASTIC	LEFT	RIGHT	ANODIZED	STANDARD PACKING IN BOXES OF 5 SETS	ΜMA	Β Μ	SCREW	APPROX.WEIGHT KG / SET
	21227	0	7	8	00	1	95	35,5	4,0	0,03
1 SET RIGHT HAND	IPA NO. 2 HINGES	I CONJUN 21228 AN IPA NO. 1 VING WIN	D:	73	-74 & 77					



10/11

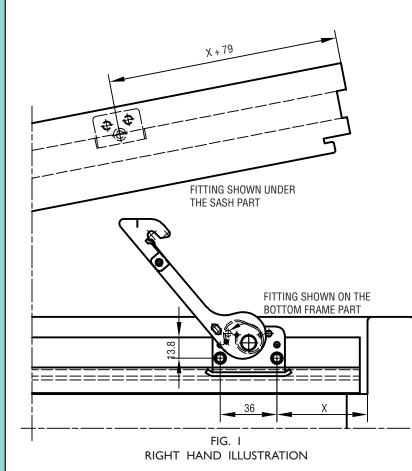
SAFETY RESTRICTOR IPA NO. 21228



	ORDER	IN	G I	NO.					
	MATERIAL			SURFACE					г
IPA NO.	STEEL	LEFT	RIGHT	ELECTROPLATED	STANDARD PACKING IN BOXES OF 5 SETS	ΜMA	B MM	SCREW	APROX.WEIGHT KG / SET
21228	1	7	8	21	1	92	31,5	4,0	0,07

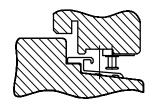


FITTING INSTRUCTIONS



X-DIMENSION IS OPTIONAL. WE SUGGEST 25 MM AS MINIMUM. BY USING LARGER X-DIMENSION THE VENTILATION OPENING WILL BE EXTENDED. AT THE SAME TIME THE TURNING OF SASH TO CLEANING POSITION WILL BE REDUCED AS THE RESTRICTOR WILL STOP THE SLIDING PART.

IMPORTANT: THE PIVOT CATCH OF THE RESTRICTOR IS FITTED IN THE BOTTOM CHANNEL OF THE SASH. USE THE MARK SHOWN ON THE RESTRICTOR ARM AS LOCATION POINT FOR THE PIVOT CATCH.



WHEN USING THE RESTRICTOR FOR SIDE HUNG LIFT-OFF WINDOWS MOUNT THE RESTRICTOR ON THE SUPPORT RAIL IPA NO. 21227. FIT THE BEARING BLOCK (PLASTIC) INTO THE IPA GROOVE IN THE BOTTOM CHANNEL OF THE SASH OVER THE FREE PART OF THE SUPPORT PLATE - OPPOSITE THE HINGE SIDE.

OPERATING INSTRUCTIONS:

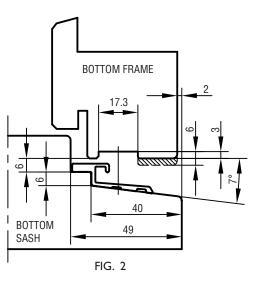
- 1. OPENTHE SASH UNTILTHE RESTRICTOR CATCH ENGAGES.
- 2 PULL THE SASH IN APPROXIMATELY 20 MM.
- 3. PRESS THE RESTRICTOR ARM IN THE DIRECTION OF THE ARROW AND OPEN THE SASH.
- 4. WHEN THE WINDOW IS CLOSED THE RESTRICTOR RE-ENGAGES AUTOMATICALLY.

USE SCREW NO. 4.0

MAINTENANCE:

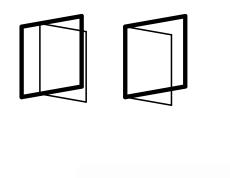
THE FITTINGS ARE NOT TO BE PAINTED. TEST THE OPERATION FROM TIME TO TIME. WHEN FITTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HEREAFTER LUBRICATE MINIMUM TWICE A YEAR. DO NOT LUBRICATE THE ALUMINIUM RAILS. SEE ALSO SECTION H.







SUPPORT RAIL IPA NO. 21229





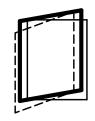
1 SET RIGHT HAND

	ORDER	IN	G I	NO .					
	MATERIAL			SURFACE					ΞT
IPA NO.	ALUMINIUM/PLASTIC	LEFT	RIGHT	ANODIZED	STANDARD PACKING IN BOXES OF 5 SETS	MM Y	ЫМ В	SCREW	APPROX.WEIGHT KG / SET
21229	0	7	8	00	1	90	40	4,0	0,03

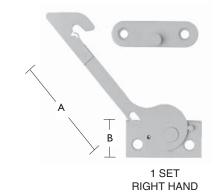
USED IN CONJUNCTION WITH SAFETY RESTRICTOR IPA NO. 21230 AND: HINGES IPA NO. 11173-74 & 77 SIDE SWING WINDOW 90° WITH FRICTION IPA NO. 21195



SAFETY RESTRICTOR IPA NO. 21230



10/11

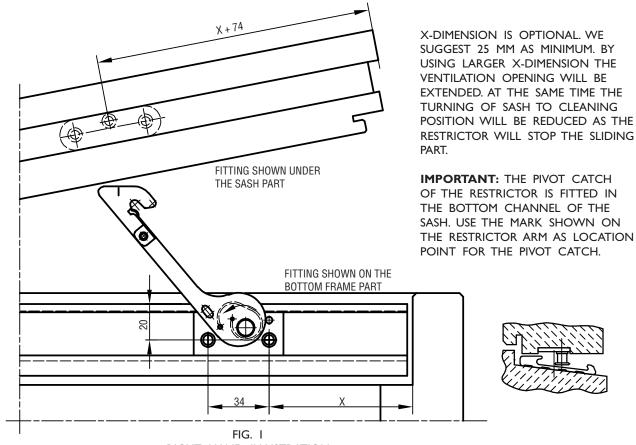


ORDERING NO. SURFACE MATERIAL SET APROX.WEIGHT KG STANDARD PACKING IN BOXES OF 5 SETS A MM SCREW ВММ IPA NO. ELECTROPPLATED RIGHT STEEL LEFT 21 7 8 21230 1 1 92 25 0.06 4,0

USED IN CONJUNCTION WITH FULLY REVERSIBLE FITTINGS FOR SIDE SWING WINDOW 180° IPA NO. 21290-95



FITTING INSTRUCTIONS



RIGHT HAND ILLUSTRATION

WHEN USING THE RESTRICTOR FOR SIDE HUNG LIFT-OFF WINDOWS MOUNT THE RESTRICTOR ON THE SUPPORT RAIL IPA NO. 21229. FIT THE BEARING BLOCK (PLASTIC) INTO THE IPA GROOVE IN THE BOTTOM CHANNEL OF THE SASH OVER THE FREE PART OF THE SUPPORT PLATE - OPPOSITE THE HINGE SIDE.

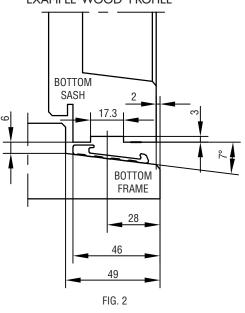
OPERATING INSTRUCTIONS:

- 1. OPENTHE SASH UNTILTHE RESTRICTOR CATCH ENGAGES.
- 2 PULL THE SASH IN APPROXIMATELY 20 MM.
- 3. PRESS THE RESTRICTOR ARM IN THE DIRECTION OF THE ARROW AND OPEN THE SASH.
- 4. WHEN THE WINDOW IS CLOSED THE RESTRICTOR RE-ENGAGES AUTOMATICALLY.

USE SCREW NO. 4.0

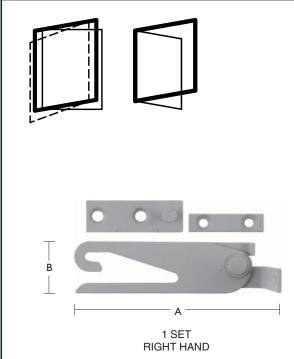
MAINTENANCE:

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 AUMINIUM RAILS. SEE ALSO SECTION H.



EXAMPLE WOOD PROFILE



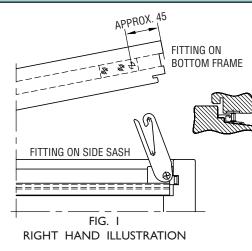


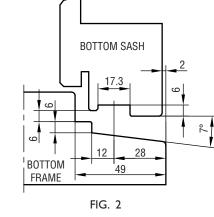
	ORDER	IN	G N	NO .					
	MATERIAL			SURFACE					SET
IPA NO.	STAINLESS STEEL	ГЕЕТ	RIGHT	UNMACHIHED	STANDARD PACKING IN BOXES OF 5 SETS	MM A	ым а	SCREW	APPROX.WEIGHT KG / SET
21231	8	7	8	86	1	105	28	4,0	0,080

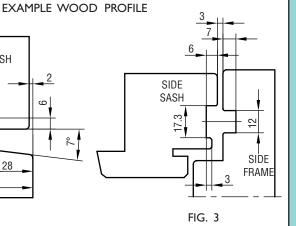
RETAINS THE WINDOW IN OPENING POSITION 60 MM

USED IN CONJUNCTION WITH: HINGES IPA NO.s 11173-74 & 77 SIDESWING FITTING IPA NO.s 21201-17

ITTING INSTRUCTIONS







OPERATING INSTRUCTIONS:

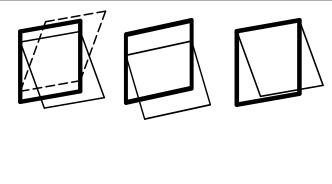
- I. OPEN THE WINDOW UNTIL THE RESTRICTOR IS IN POSITION.
- 2. DRAW THE SASH 20 MM BACKWARDS.
- 3. PRESS THE RESTRICTOR AGAINST THE FRAME AND THE SASH IS RELEASED.

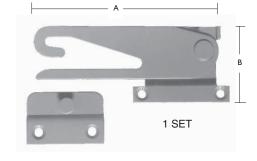
MAINTENANCE: THE FITTINGS ARE NOT TO BE PAINTED. TEST THE OPERATION FROM TIME TO TIME. WHEN FITTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HEREAFTER LUBRICATE MINIMUM TWICE A YEAR. SEE ALSO SECTION H.

D-07



SAFETY RESTRICTOR IPA NO. 21233



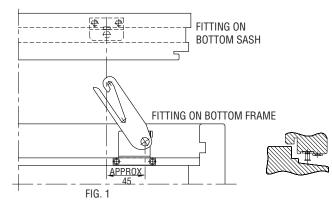


	ORDERI	٩G	NO.					
	MATERIAL	Z	SURFACE					SET
IPA NO.	STAINLESS STEEL	WITHOUT SPECIFICATION	UNMACHIHED	STANDARD PACKING IN BOXES OF 5 SETS	MM Y	ММ 8	SCREW	APPROX.WEIGHT KG / SET
21233	8	0	86	1	97	40	3,5	0,075

RETAINS THE WINDOW IN OPENING POSITION 60 MM

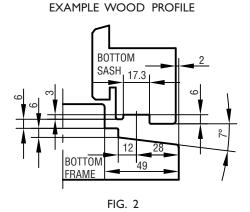
USED IN CONJUNCTION WITH: TOP HINGES IPA NO.s 21125-28 REV. PROJ. GEAR IPA NO.s 21144-52 & IPA NO.s 21874-82 CANOPY STAY IPA NO.s 21167-82

FITTING INSTRUCTIONS



OPERATING INSTRUCTIONS:

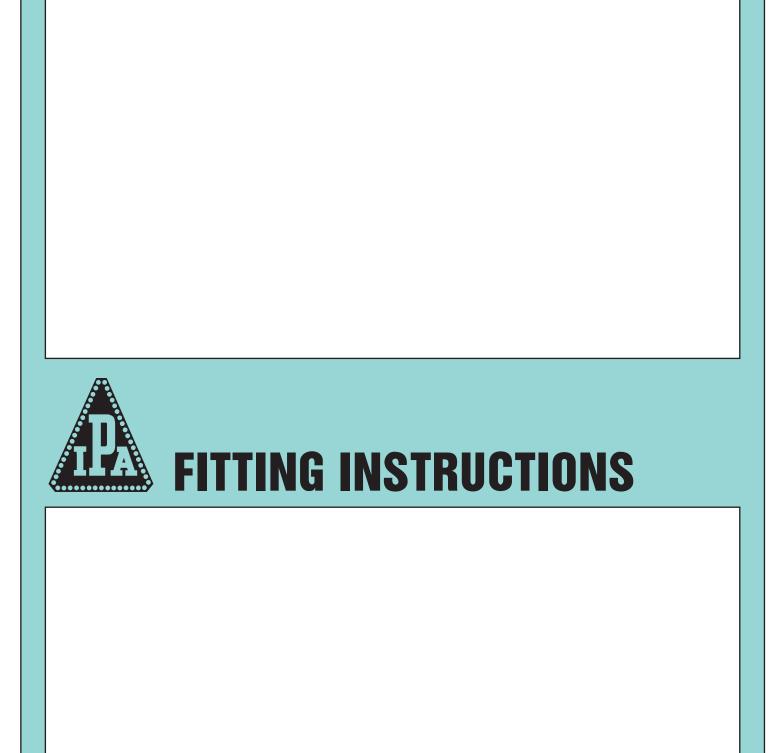
- I. OPEN THE WINDOW UNTIL THE RESTRICTOR IS IN POSITION.
- 2. DRAW THE SASH 20 MM BACKWARDS.
- 3. PRESS THE RESTRICTOR TO THE RIGHT AND OPEN THE



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. SEE ALSO SECTION H.







FIRE ESCAPE FITTING FOR TOP HUNG WINDOWS IPA NO. 21321

1/2 SET RIGHT HAND	
	•

	ORDERI	NG	NO.					
	MATERIAL	z	SURFACE					SET
IPA NO.	STEEL	WITHOUT SPECIFICATION	ELECTROPLATED	STANDARD PACKING IN BOXES OF 5 SETS	MM THOULD	MATERIAL MM	SCREW	APPROX.WEIGHT KG / SET
21321	1	0	21	1	350	17x2	4,0	0,34

USED IN CONJUNCTION WITH: TOP HINGES IPA NO.s 21125-28

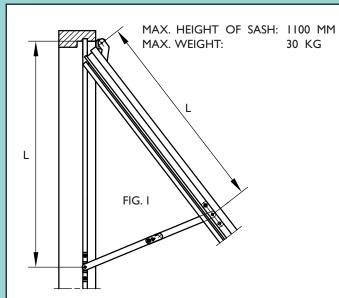
FITTING INSTRUCTIONS

SIDE FRAME

17.3

SIDE SASH

FIG. 2

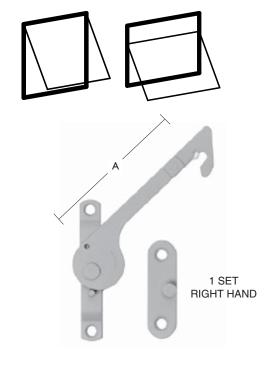


THE FITTINGS ARE PLACED IN THE GROOVES ON BOTH SIDES, SO THAT THE WANTED OPENING IS OBTAINED. MEASURES L SHOULD BE THE SAME ON BOTH SASH AND FRAME. USE SCREW NO. 4,0. FIG. 3

EXAMPLE WOOD PROFILE

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 SECTION H.





	ORDER	IN	G I	NO .				
	MATERIAL			SURFACE				SET
IPA NO.	STEEL	LEFT	RIGHT	ELECTROPLATED	STANDARD PACKING IN BOXES OF 5 SETS	A MM	SCREW	APPROX. WEIGHT KG / SET
21236	1	7	8	21	1	92	3,5 & 4,0	0,06

USED IN CONJUNCTION WITH: TOP HINGES IPA NO.s 21125-28 CANOPY STAY IPA NO.s 21167-82



TING INSTRUCTIONS

FIG. I

MARK

SIDE FRAME

BOTTOM FRAME

RESTRICTOR NO. 21236 CAN BE USED ON TOP HUNG AS WELL AS ON CANOPY STAY WINDOWS. PLACE THE RESTRICTOR IN THE PROFILE GROOVE IN THE BOTTOM OF THE SIDE FRAME AND PLACE THE RECEIVER IN THE PROFILE GROOVE IN THE SIDE OF THE SASH AS SHOWN ON FIG. I. THE RESTRICTOR CAN ALSO BE USED ON A SIDE HUNG WINDOW. IN THIS CASE: PLACE THE RESTRICTOR IN THE PROFILE GROOVE IN THE TOP OF THE FRAME AND THE RECEIVER IN THE PROFILE GROOVE IN THE TOP OF THE SASH.

X-DIMENSION IS OPTIONAL. WE SUGGEST 6 MM AS A MINIMUM. BY USING LARGER X-DIMENSIONS THE VENTILATION OPENING WILL BE EXTENDED.

IMPORTANT: THE RECEIVER MUST BE FITTED IN THE PROFILE GROOVE OF THE SASH. USE THE MARK SHOWN ON THE RESTRICTOR ARM AS A LOCATION POINT FOR THE PIVOT CATCH.

OPERATING INSTRUCTIONS:

- I. OPEN THE WINDOW UNTIL THE RESTRICTOR IS IN POSITION.
- 2 DRAW THE SASH 20 MM BACKWARDS.
- 3. PRESS THE RESTRICTOR IN THE DIRECTION OF THE ARROW AND OPEN THE WINDOW.
- WHEN THE WINDOW IS CLOSED THE RESTRICTOR RE-ENGAGES AUTOMATICALLY.

RIGHT HAND ILLUSTRATION SIDE FRAME SIDE SASH 49 28 12 7 FIG. 2 FIG3 3 6

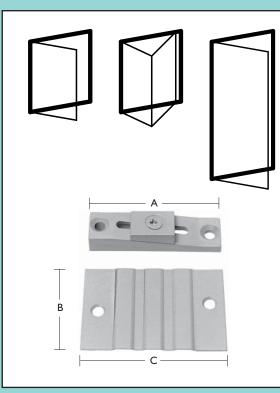
EXAMPLE WOOD PROFILE

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 SECTION H.

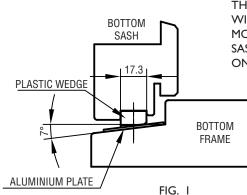




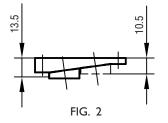


					ľ				
	ORDERI	NO.							
	MATERIAL		SURFACE						
IPA NO.	ALUMININIPLASTIC	WITHOUT SPECIFICATION	ANODIZED	STANDARD PACKING IN BOXES OF 25 PIECES	MM A	ыма	MM D	SCREW	APPROX.WEIGHT KG/100 PC.
21226	0	0	00	1	60	40	61	3,0 & 4,0	1,40

FITTING INSTRUCTIONS



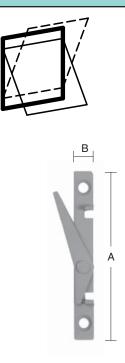
THE SUPPORT FITTING IS USED TO SUPPORT WINDOWS AND DOORS. THE PLASTIC WEDGE IS MOUNTED IN THE IPA SYSTEM GROOVE ON THE SASH AND THE ALUMINIUM RAIL IS MOUNTED ON THE BOTTOM FRAME, AS SHOWN.



THE SUPPORT FITTING CAN BE ADJUSTED BY LOOSENING THE SCREW IN THE SMALL PLASTIC BLOCK AND BY ADJUSTING THE MENTIONED PLASTIC BLOCK TO THE LEFT OR TO THE RIGHT. MAXIMUM AND MINIMUM HEIGHT OF THE FITTING IS SHOWN ABOVE - PLEASE REMEMBER TO ADD THE THICKNESS OF THE ALUMINIMUM RAIL.



FIRE-ESCAPE CATCH IPA NO. 21156



	ORDERI	٩G	NO.					
	MATERIAL	TION	SURFACE	ES				
IPA NO.	STEEL	WITHOUT SPECIFICATION	ELFCTROPLATED	STANDARD PACKING IN BOXES OF 10 PIECES	ММ А	ЫΜЯ	SCREW	APPROX. WEIGHT KG/EACH
21156	1	0	21	1	70	8	3,0	0,02

USED IN CONJUNCTION WITH: REVERSIBLE PROJECTING GEAR IPA NO.s 21144-52.

FITTING INSTRUCTIONS

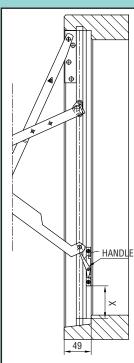


FIG. I

MOUNTING:

- I. THE FITTING IS PLACED IN RIGHT SIDE FRAME, SEEN FROM THE INSIDE. PLACE THE FITTING AGAINST THE REAR EDGE OF THE ALUMINIUM RAIL, SEE FIG. I.
- 2. TO OBTAIN MAXIMUM FIRE-ESCAPE OPENING PLACE THE FITTING ACCORDING TO DIMENSION, SEE FIG. 2.

OPERATING INSTRUCTIONS:

- I. OPEN THE WINDOW UNTIL THE FIRE-ESCAPE CATCH ENGAGES.
- 2. THE WINDOW CAN BE CLOSED BY OPENING IT ANOTHER 2 CM, AND PULLING THE HANDLE BACKWARDS, THEN CLOSE THE WINDOW AND LET GO OF THE HANDLE WHEN THE BOTTOM ARM OF THE FITTING HAS PASSED THE FIRE-ESCAPE CATCH, SEE FIG. I.
- 3. THE FIRE-ESCAPE CATCH WILL AUTOMATICALLY ENGAGE NEXT TIME THE WINDOW IS OPENED.
- 5. IF THE WINDOW IS FULLY REVERSED THEN THE FIRE-ESCAPE CATCH HAS TO BE RELEASED AS MENTIONED IN 2.

FIG. 2

IPA NO.

21144

21145

21146

21147

21148

21149

21150

21151

21152

х

50

76

102

128

155

177

195

209

223

MAINTENANCE:

USE SCREW NO. 3,0

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 SECTION H.



VENTILATION CATCH IPA NO. 21157





ORDERING NO.

	ORDERI	٩G	NO.					_
	MATERIAL		SURFACE	ES				
IPA NO.	STEEL	LEFT	ELFCTROPLATED	STANDARD PACKING IN BOXES OF 10 PIECES	ым а	SCREW	APPROX.WEIGHT KG/EACH	
21157	1	7	21	1	20	3,0	0,02	

USED IN CONJUNCTION WITH: REVERSIBLE PROJECTING GEAR IPA NO. 21144-52, A MINIMUM OF 20 MM BETWEEN BOTTOM ALU-RAIL AND BOTTOM FRAME IS NEEDED.

FITTING INSTRUCTIONS

MOUNTING INSTRUCTIONS: (USE SCREW NO. 3.0)

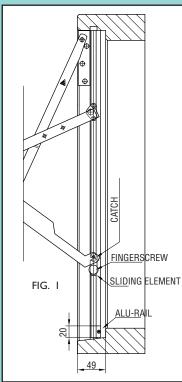
- 1. THE FITTING IS MOUNTED ON THE RIGHT SIDE SEEN FROM THE INSIDE. THE FITTING IS MOUNTED AT THE BOTTOM END OF THE ALURAIL OF 21144-52, SEE FIG. 1.
 - **IMPORTANT:** THE SMALL PIECE OF ALU-RAIL FOR THE VENTILATION CATCH MUST BE PLACED CAREFULLY RIGHT UNDER THE ALU-RAIL IN THE FRAME. MAKE SURE THAT NOTHING PREVENTS THE SMOOTH MOVING OF THE VENTILATION CATCH BETWEEN THE TWO ALU-RAILS.
- 2. THE FINGERSCREW IS LOOSENED AND THE FITTING IS CONNECTED TO THE BOTTOM SLIDING ELEMENT OF 21144-52, THIS WAY THE FITTING WILL ALWAYS FOLLOW THE BOTTOM SLIDING ELEMENT OF 21144-52.

OPERATING INSTRUCTIONS:

- I. THE WINDOW IS OPENED TO THE WANTED POSITION AND THE FINGERSCREW IS FASTENED.
- 2. WHEN CHANGING THE OPENING POSITION OF THE WINDOW THE FINGER-SCREW MUST BE LOOSENED BEFORE OPERATING THE WINDOW.
- **IMPORTANT:** THE VENTILATION FITTING WILL BE DESTROYED IF THE FINGER-SCREW IS NOT LOOSENED BEFORE OPERATING THE WINDOW.

MAINTENANCE:

THE FITTINGS ARE NOT TO BE PAINTED. TEST THE OPERATION FROM TIME TO TIME. WHEN LUBRICATING THE THREAD AVOID LUBRICANT BETWEEN THE SLIDING ELEMENT AND THE ALU-RAIL AS THIS COULD RESULT IN MAL-FUNKTION OF THE FITTING. SEE ALSO SECTION H.





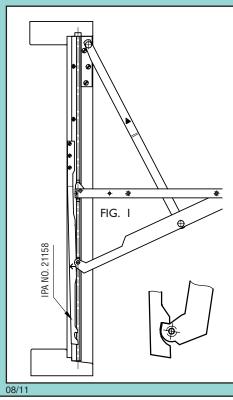


	ORDERI							
	MATERIAL		SURFACE	ES				
IPA NO.	STEEL	LEFT	ELFCTROPLATED	STANDARD PACKING IN BOXES OF 10 PIECES	MM Y	MATERIAL MM	SCREW	APPROX.WEIGHT KG/EACH
21158	1	7	21	1	385	4	3,0	0,12

USED IN CONJUNCTION WITH: REVERSIBLE PROJECTING GEAR IPA NO.s 21144-52 AND IPA NO.s 21874-82.



FITTING INSTRUCTIONS



MOUNTING INSTRUCTIONS:

I. SAFETY CATCH IPA NO. 21158 IS MOUNTED ON THE LEFT SIDE SEEN FROM THE INSIDE - USING SCREW NO. 3.0 SEE FIG. I. THE SAFETY OPENING OF THE WINDOW IS APROX. 100 MM.

OPERATING INSTRUCTIONS:

I. THE WINDOW IS OPENED UNTIL THE SAFETY CATCH AUTOMATI-CALLY ENGAGES.

2. TO OPEN THE WINDOW - CLOSE THE WINDOW APROX. 2 CM. PRESS THE SAFETY CATCH, SEE FIG. 1, IN THE DIRECTION SHOWN BY THE ARROW, THEN OPEN THE WINDOW.

3. THE SAFETY CATCH AUTOMATICALLY RE-ENGAGES NEXT TIME THE WINDOW IS OPENED.

USE SCREW NO. 3.0.

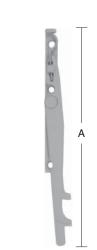
MAINTENANCE:

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 SECTION H.



SAFETY RESTRICTORS IPA NO.s 21162-63

X X

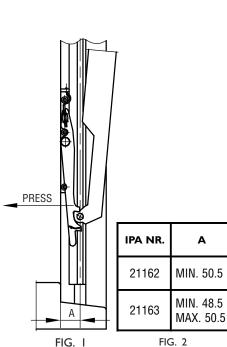


OPDERING NO

	ORDERIN						
	MATERIAL	IATERIAL		ES			APPROX. WEIGHT KG/EACH
IPA NO.	STEEL		ELFCTROPLATED	STANDARD PACKING IN BOXES OF 20 PIECES	мм ү	SCREW	
21162	1	7	21	1	170	3,5	0,06
21163	1	7	21	1	170	3,5	0,06

USED IN CONJUNCTION WITH: **REVERSIBLE PROJECTING GEAR IPA NO.s 21144-52** AND IPA NO.s 21874-82.

FITTING INSTRUCTIONS



MOUNTING INSTRUCTIONS:

- I. THE SAFETY CATCH IS PLACED ON THE LEFT SIDE FRAME SEEN FROM THE INSIDE - WITH THE FRONT EDGE OF THE MOUNTING PLATE PLACED AGAINST THE EDGE OF THE ALURAIL.
- 2. HORIZONTALLY THE FITTING CAN BE PLACED FREELY DEPENDING ON THE WANTED OPENING.

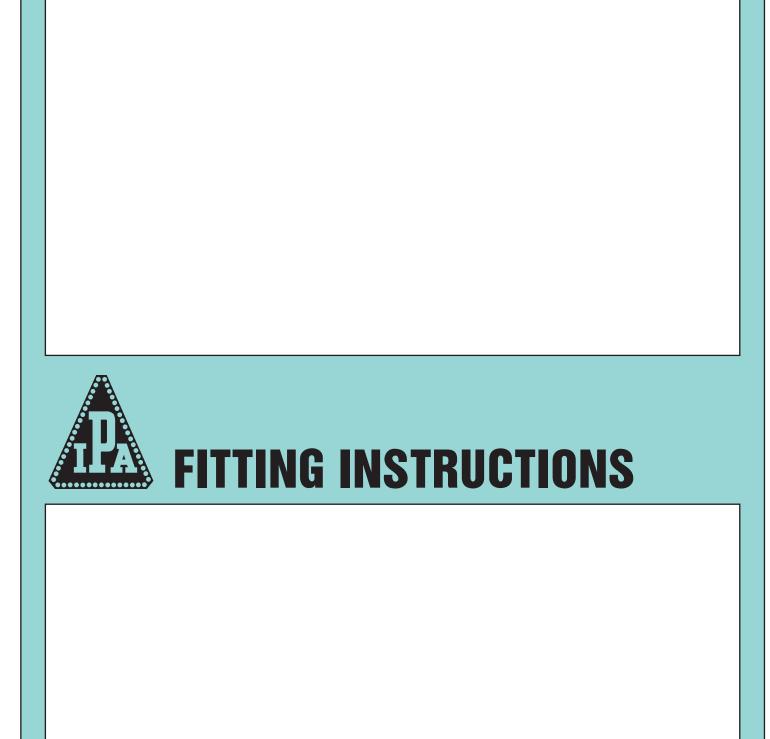
OPERATING INSTRUCTIONS:

- I. THE WINDOW IS OPENED UNTIL THE SAFETY CATCH AUTOMATICALLY ENGAGES.
- 2. TO FURTHER OPEN THE WINDOW CLOSE THE WINDOW APROX. 2 CM, PRESS THE BOTTOM PART OF THE SAFETY CATCH IN THE DIRECTION SHOWN BY THE ARROW. PUSH OPEN THE WINDOW. LET GO OF THE SAFETY CATCH AND IT WILL ENGAGE IN THE NEXT POSITION.
- 3. TO FULLY OPEN THE WINDOW REPEAT NO. 2.
- 4. NEXT TIME THE WINDOW IS OPENED THE SAFETY CATCH AUTOMATI-CALLY RE-ENGAGES.

MAINTENANCE:

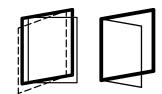
THE FITTINGS ARE NOT TO BE PAINTED. TEST THE OPERATION FROM TIME TO TIME. WHEN FITTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HEREAFTER LUBRICATE MINIMUM TWICE A YEAR. DO NOT LUBRICATE THE AUMINIUM RAILS. SEE ALSO SECTION H.

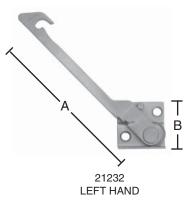












RESTRICTOR

	ORDER		_	_					
	MATERIAL			SURFACE	フ ()			SCREW	ь
IPA NO.	STAINLESS STEEL	ГЕГТ	RIGHT	UNMACHINED	STANDARDPACKIN	ым а	B MM		APPROX.WEIGH KG / EACH
21232	8	7	8	86	1	119	34,5	4,0	0,05

- MOUNTED ON THE SASH
- EASY TO OPERATE
- STAINLESS STEEL
- RETAINS THE WINDOW IN VENTILATION POSITION



21218 - LEFT HAND





RESTRICTOR CATCH

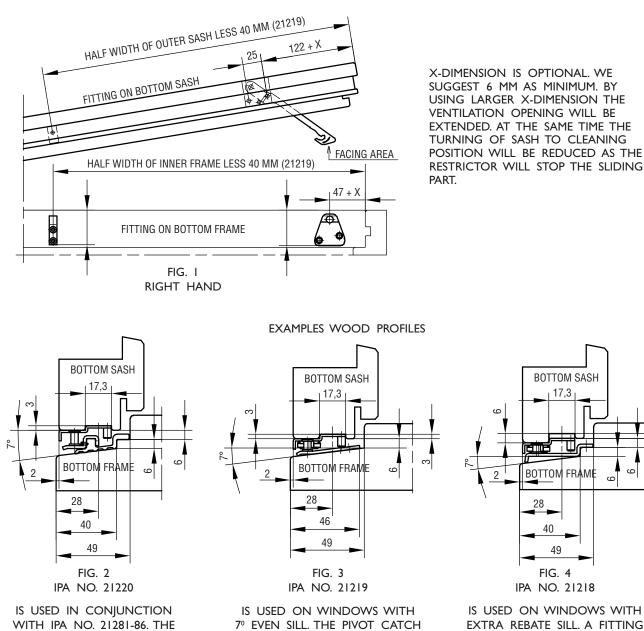
	MATE	NO			SUR	FACE	NG CS:	Ŧ	
IPA NO.	STEEL	STAINLESS STEEL	W/O SPECIFICATION	LEFT	RIGHT	ELECTROPLATED	UNMACHINED	STANDARDPACKING IN BOXES OF 10 PCS.	APPROX.WEIGHT KG / EACH
21218	-	8	•	7	8	-	86	1	0,03
21219	-	8	0	-	-	-	86	1	0,03
21220	1	•	•	7	8	21	-	1	0,01

- IPA NO. 21218 IS TO BE USED ON WINDOWS WITH EXTRA REBATE SILL
- IPA NO. 21219 IS TO BE USED ON WINDOWS WITH 7° EVEN SILL
- IPA NO. 21220 IS TO BE USED IN CONJUNCTION WITH IPA NO. 21281-86

IPA NO. 21218 & 21219 ARE SUPPLIED WITH SUP-PORT FITTING TO ENSURE A SAFE CATCH BY EACH OPENING.



FTING INSTRUCTIONS



WITH IPA NO. 21281-86. THE PIVOT CATCH IS MOUNTED ON THE BOTTOM ALU-RAIL.

7º EVEN SILL. THE PIVOT CATCH AND THE SUPPORT FITTING IS MOUNTED 46 MM FROM THE FRONT OF BOTTOM FRAME

BOTTOM SASH 17,3 ശ BOTTOM FRAM 28 40 49 FIG. 4 IPA NO. 21218

IS USED ON WINDOWS WITH EXTRA REBATE SILL. A FITTING PLATE HAS TO BE MOUNTED UNDER THE RESTRICTOR ON THE BOTTOM SASH

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 FOR IPA NO. 21232+21219-20 USE SCREW NO. 3.5 FOR IPA NO. 21218

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 SECTION H.