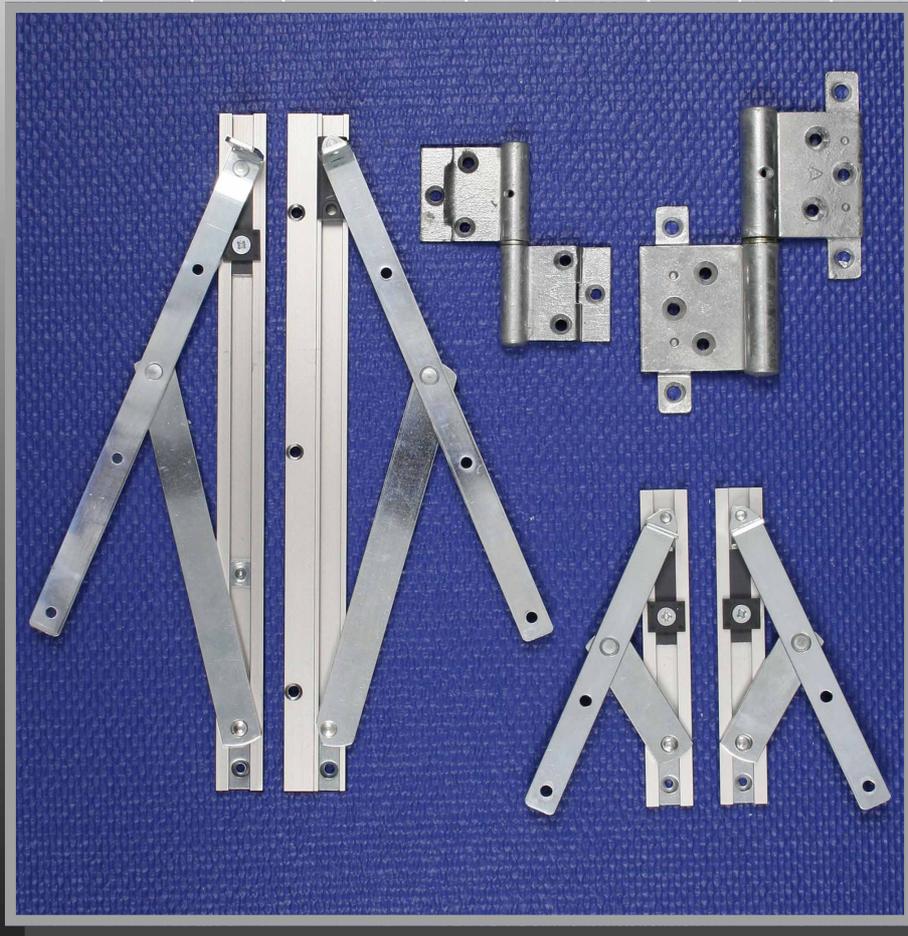


IPA FITTINGS

FOR REHAU NORDIC DESIGN



A/S J. PETERSENS BESLAGFABRIK

JACOB PETERSENSVEJ 9, DK-9240 NIBE

TEL: (+45) 98 35 15 00





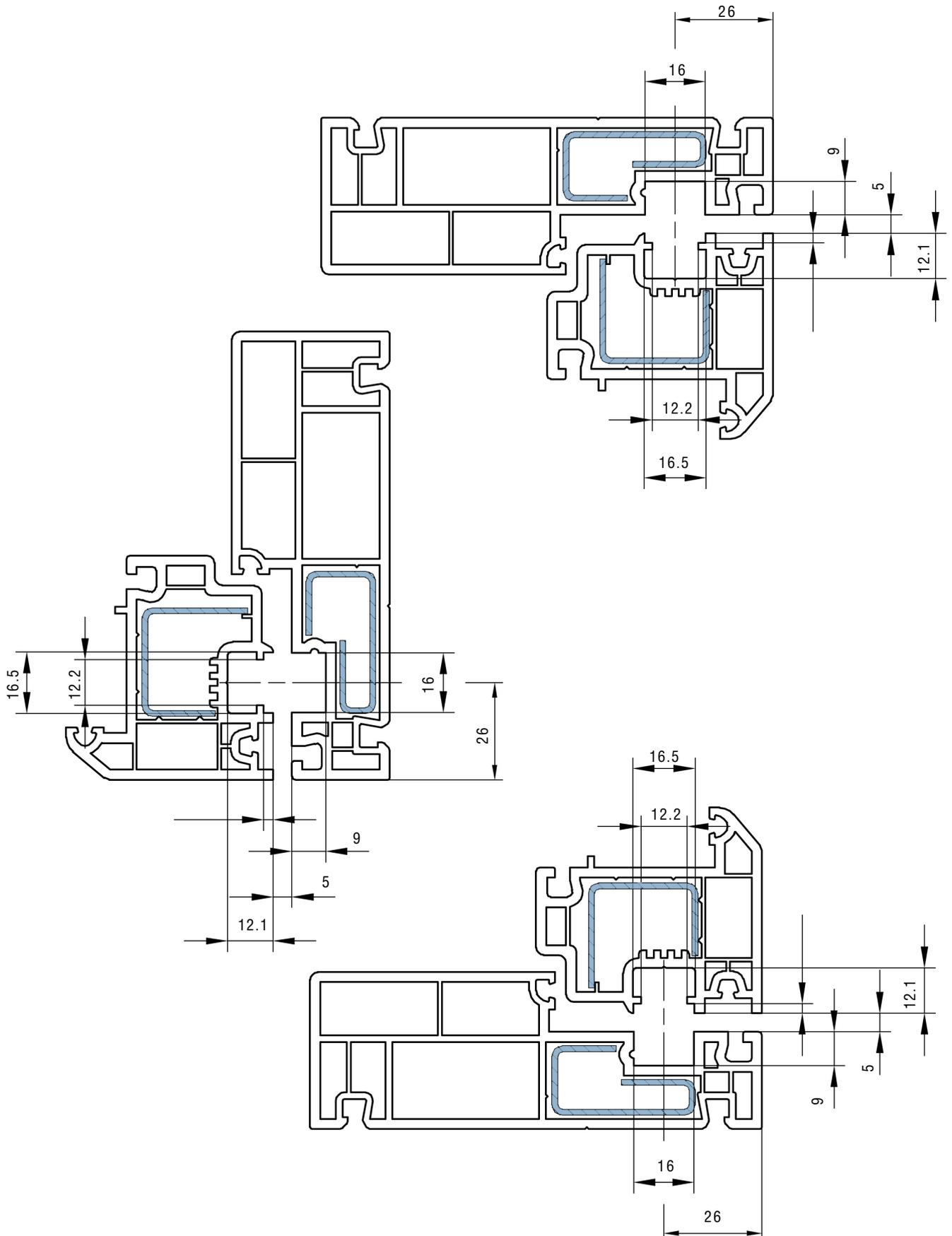
FITTINGS FOR REHAU NORDIC DESIGN

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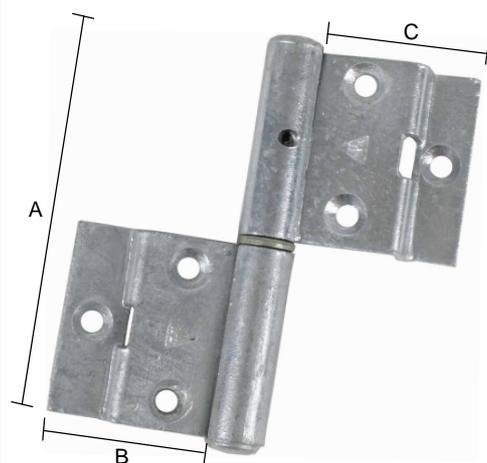
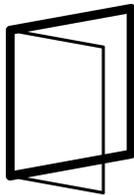
REHAU NORDIC DESIGN PROFILE





WINDOW HINGE

IPA No. 61774



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									
	2	3												
61774	2	3	3	4	87	2	90	37	37	2.5	8	4.0	0.17	



IPA No. 61774

FITTING INSTRUCTIONS

REHAU NORDIC DESIGN PROFILE

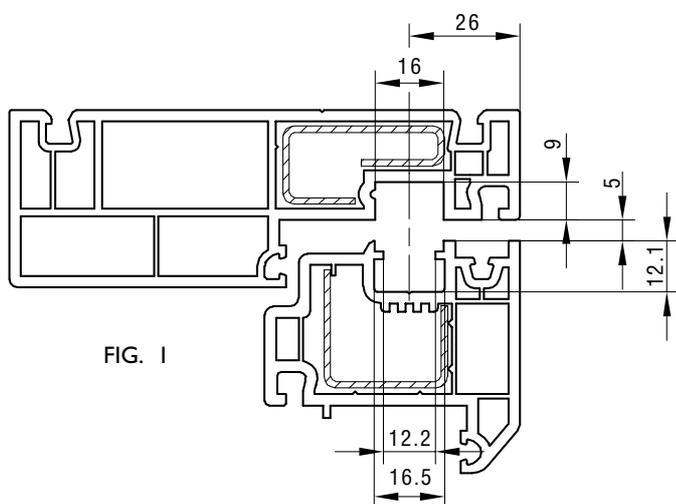


FIG. 1

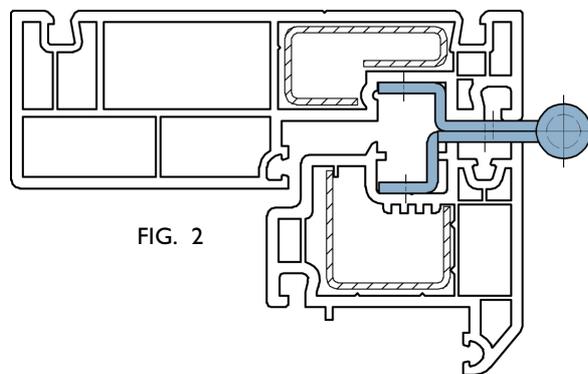


FIG. 2

USE SCREW NO. 4.0.

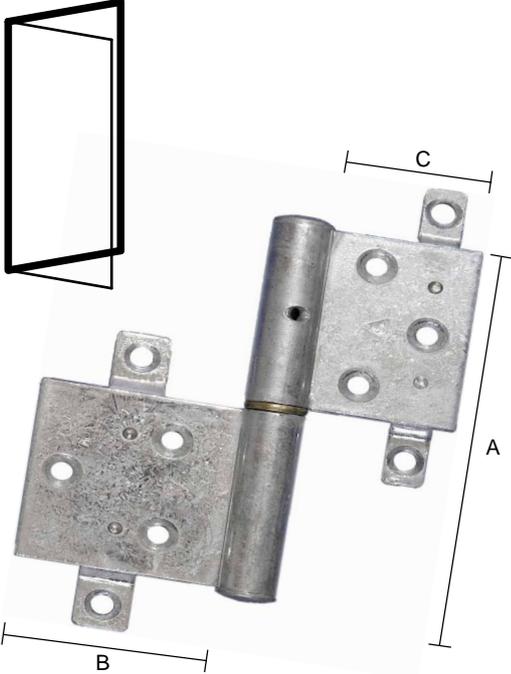
MAINTENANCE:

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 28-29.



DOOR HINGE

IPA No. 61798

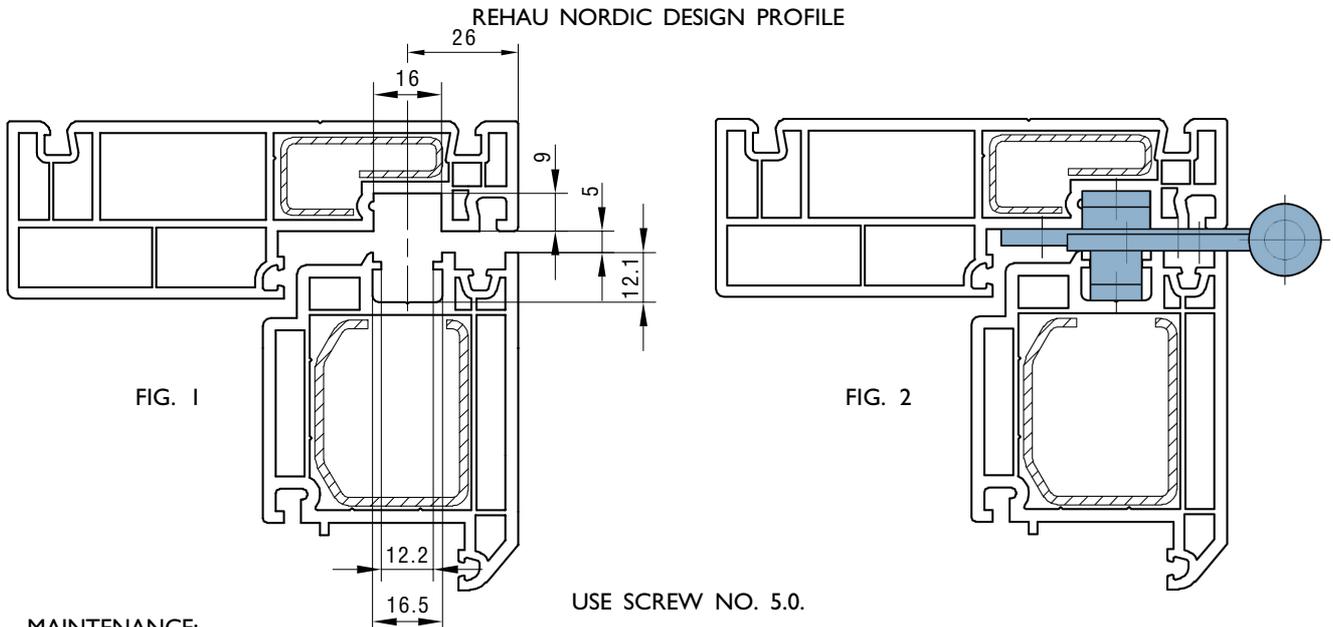


IPA NO.	MATERIAL		SQUARE EDGES LEFT	SQUARE EDGES RIGHT	SURFACE		INDUSTRY PACKING IN BOXES OF 50 PIECES	A MM	B MM	C MM	MATERIAL MM	PIN MM	SCREW	APPROX. WEIGHT KG / PC.
	STEEL FIXED	STEEL PIN			GALVANIZED									
	STEEL FIXED	BRASS PIN												
61798	2	3	3	4	87	2	120	58	42.5	4.0	9.5	5.0	0.45	



IPA No. 61798

FITTING INSTRUCTIONS



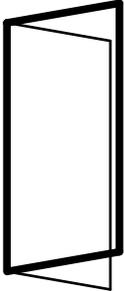
MAINTENANCE:

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 28-29.



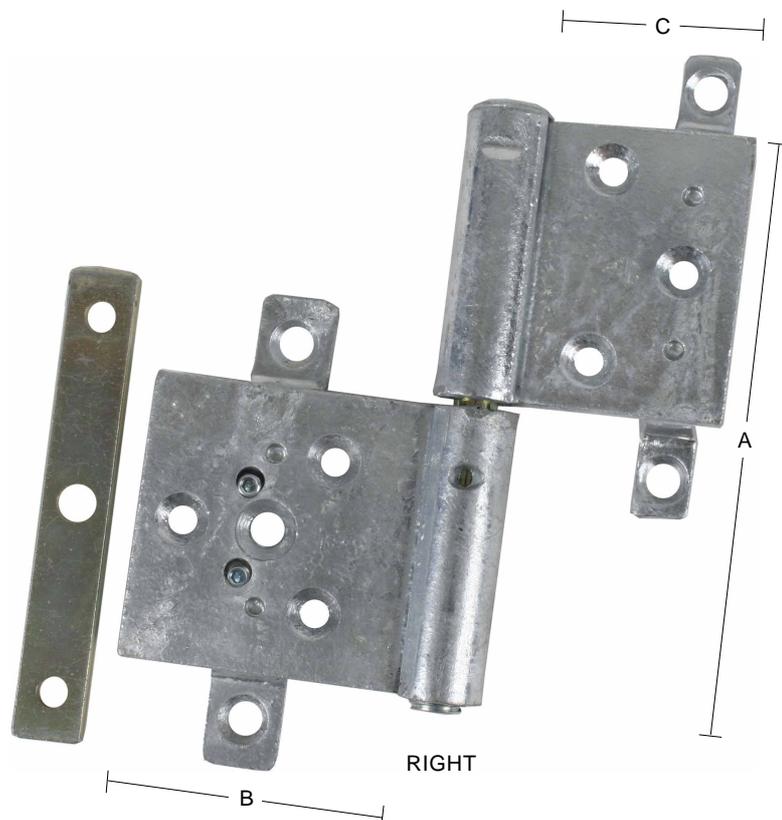
ADJUSTABLE DOOR HINGE

IPA No. 60798



ORDERING NO.						A MM	B MM	C MM	MATERIAL MM	PIN MM	SCREW	APPROX. WEIGHT KG / PC.
IPA NO.	MATERIAL	SURFACE		INDUSTRY PACKING IN BOXES OF 50 PIECES	STEEL FIXED STEEL PIN							
	STEEL FIXED STEEL PIN	SQUARE EDGES LEFT	SQUARE EDGES RIGHT			GALVANIZED						
60798	2	3	4	87	2	120	58	2.5	4	9.5	5.0	0.49

■ ADJUSTABLE HORIZONTALY AND VERTICALLY





IPA No. 60798

FITTING INSTRUCTIONS

REHAU NORDIC DESIGN PROFILE

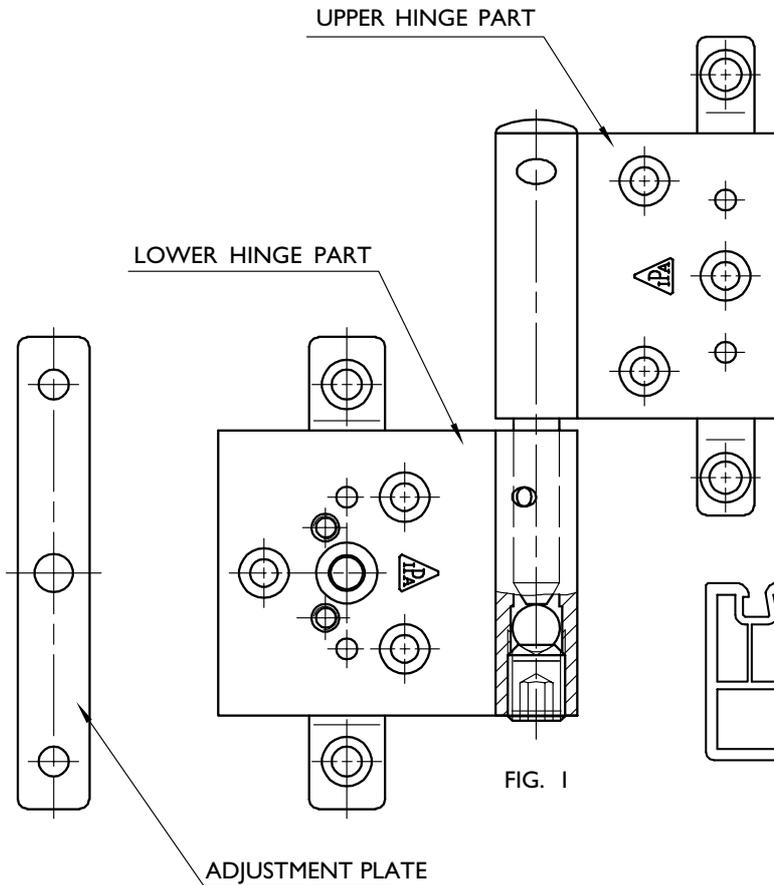


FIG. 1

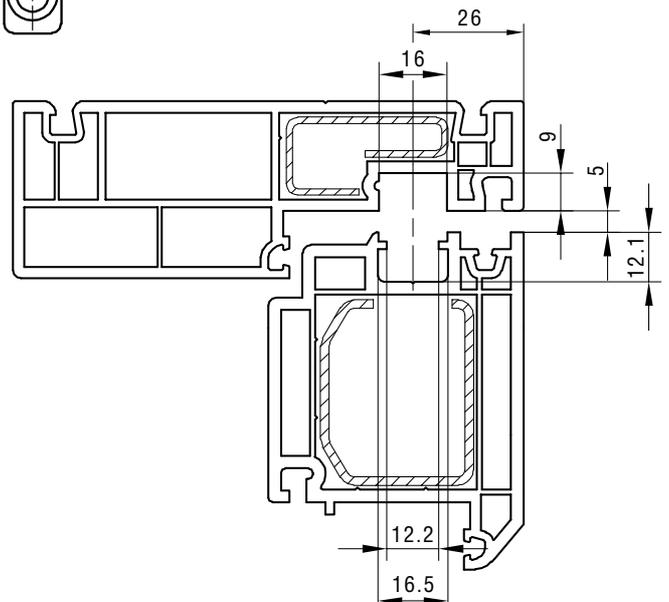


FIG. 2

FITTING:

1. MOUNT THE ADJUSTMENT PLATE IN THE GROOVE OF THE DOOR IN THE MIDDLE OF WHERE THE LOWER HINGE PART IS BEING MOUNTED.
2. PLACE HINGE SO THAT THE LOWER HINGE PART IS OVER THE ADJUSTMENT PLATE AND FASTEN IT. THE ADJUSTMENT SCREWS SHOULD BE LOOSENED.

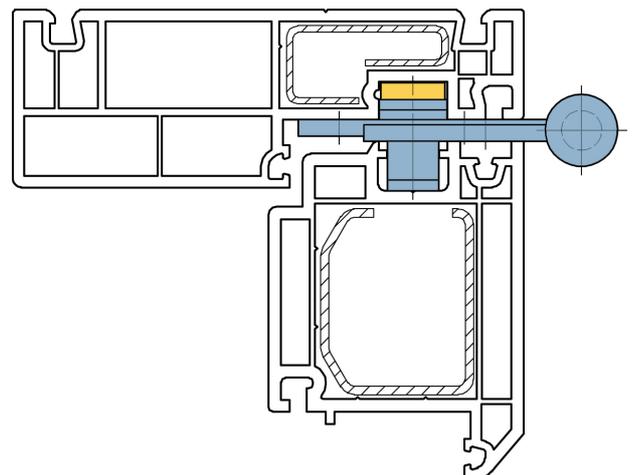
ADJUSTMENT:

VERTICALLY: ADJUST TO WANTED POSITION ON THE LARGE SCREW AT THE BOTTOM OF THE HINGE - ± 3 MM.

HORIZONTALLY: LOOSEN THE MOUNTING SCREWS AND ADJUST TO WANTED POSITION. FASTEN THE MOUNTING SCREWS.

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 28-29.

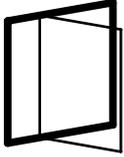




SIDE SWING WINDOW 90°

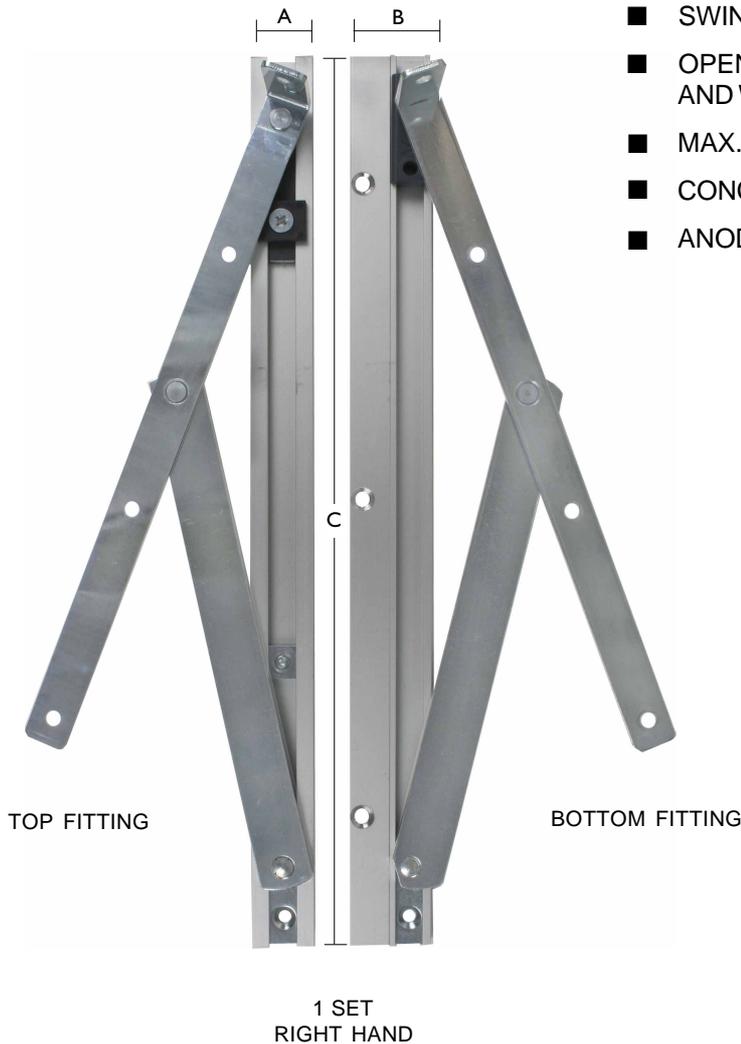
WITH FRICTION

IPA No. 62795



ORDERING NO.										
IPA NO.	MATERIAL		SURFACE		STANDARDPACKING IN BOXES OF 5 SETS	A MM	B MM	C MM	SCREW	APPROX. WEIGHT KG / SET
	STEEL	LEFT	RIGHT	ELECTROPLATED						
62795	1	7	8	21	1	23	29.5	325	4.0	0.50

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



FIRE-ESCAPE OPENING:
500 MM FROM SASH HEIGHT 726 MM



IPA No. 62795

FITTING INSTRUCTIONS

REHAU NORDIC DESIGN PROFILE

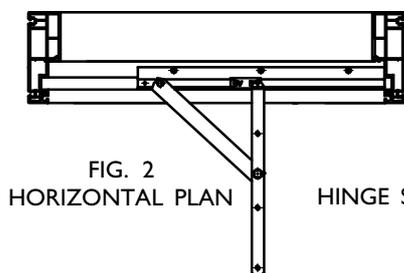
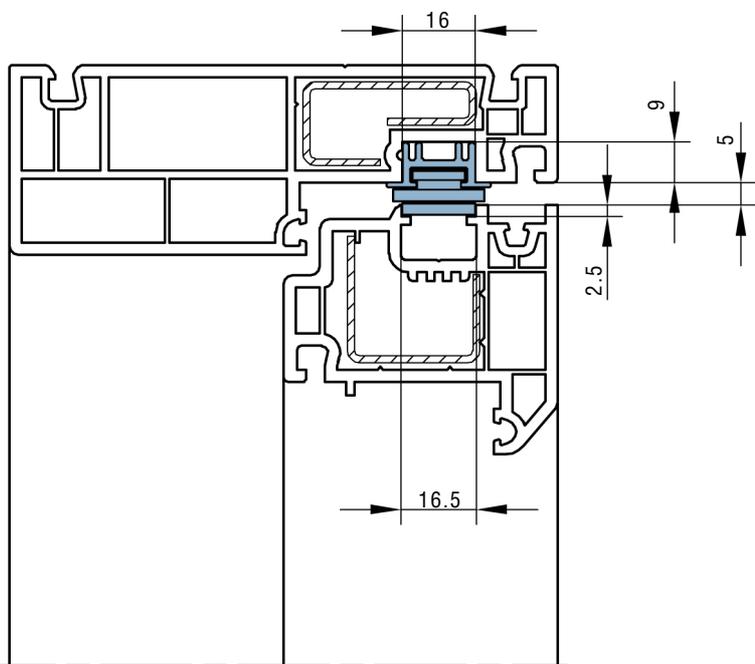


FIG. 2
HORIZONTAL PLAN HINGE SIDE

FITTING SHOWN ON FRAME CILL

RIGHT HAND ILLUSTRATION

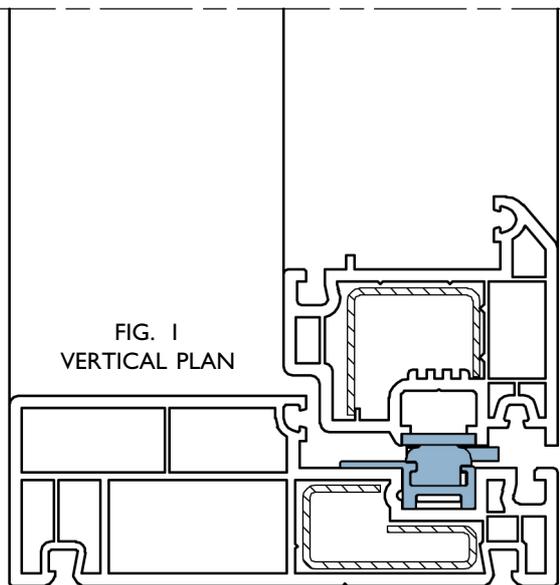


FIG. 1
VERTICAL PLAN

IPA NO.	62795
MAX. SASH WEIGHT KGS	40
MIN. SASH WIDTH	315
MAX. SASH WIDTH	820
SCREW	4,0

FIG. 3

FITTING:

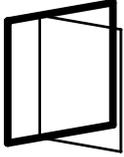
1. THE FITTING SHOULD BE POSITIONED IN THE GROOVES AT HEAD AND CILL OF FRAME AND SCREWED ON (FIGURE 1 AND 2)
2. NOW PUSH THE WINDOW SASH INTO POSITION BY SASH SLOTS AND FASTEN THE SCREWS.
3. THE FRICTION CAN NOW BE ADJUSTED ON THE TOP FITTING. IF A LARGER OPENING IS WANTED THEN JUST MOVE THE ADJUSTABLE STOP FITTING IN THE TOP FRAME ALUMINIUM RAIL.

MAINTENANCE:

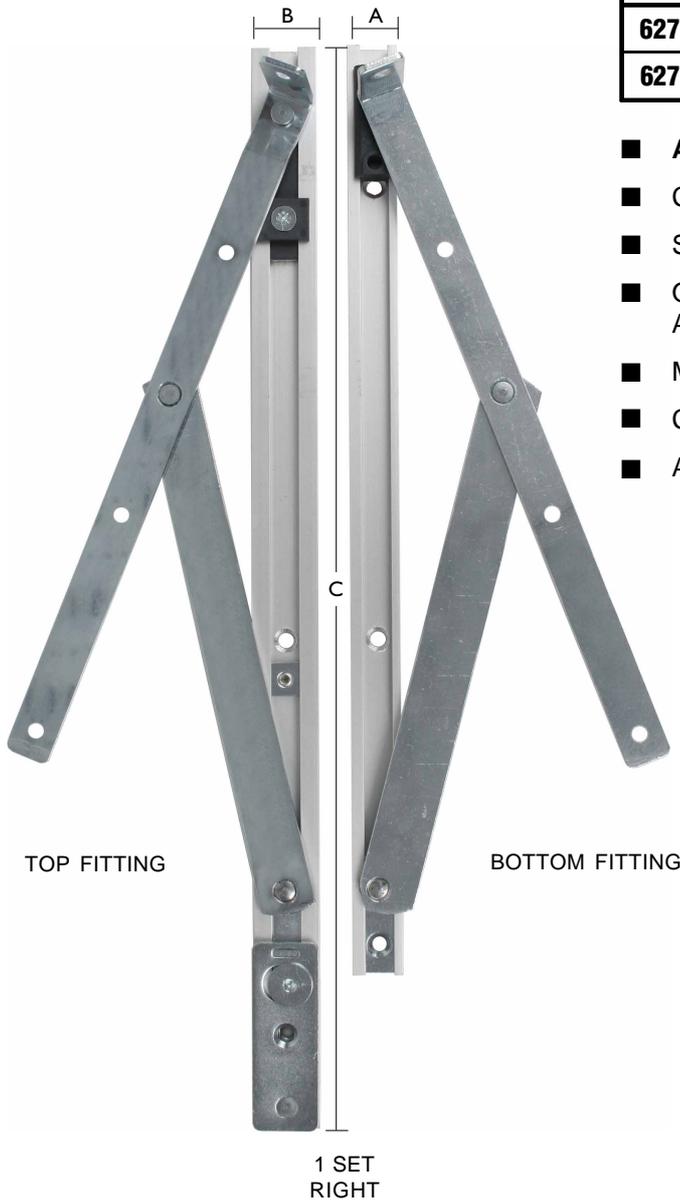
THE FITTINGS ARE NOT TO BE PAINTED. TEST THE OPERATION FROM TIME TO TIME. WHEN FITTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HEREAFTER LUBRICATE MINIMUM TWICE A YEAR. DO NOT LUBRICATE THE ALUMINIUM RAILS. SEE ALSO INSTRUCTIONS ON PAGE 28-29.



SIDE SWING WINDOW 90° WITH FRICTION IPA NO. 62796-97 - adjustable



ORDERING NO.											
IPA NO.	MATERIAL			SURFACE		STANDARD PACKING IN BOXES OF 5 SETS	A MM	B MM	C MM	SCREW	WEIGHT APPROX. KG / SET
	STEEL	LEFT	RIGHT	ELECTROPLATED							
62796	1	7	8	21	1	17	23	247	4,0	0.36	
62797	1	7	8	21	1	17	23	377	4.0	0.56	



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

FIRE-ESCAPE OPENING IPA NR. 62796:
500 MM FROM SASH HEIGHT 706 MM

FIRE-ESCAPE OPENING IPA NR. 62797:
500 MM FROM SASH HEIGHT 750 MM
600 MM FROM SASH HEIGHT 855 MM



IPA NO. 62796-97

FITTING INSTRUCTIONS

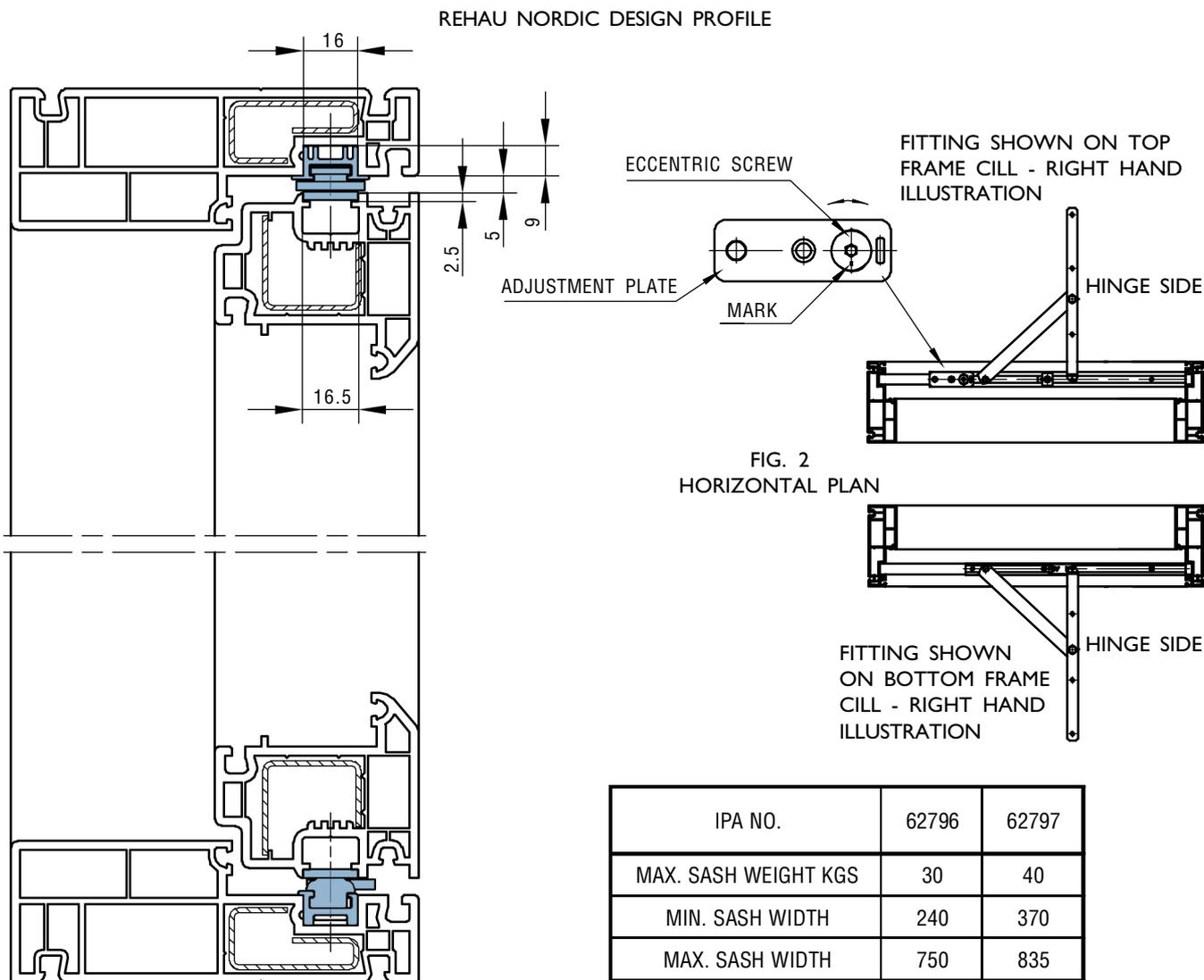


FIG. 1
VERTICAL PLAN

FIG. 2
HORIZONTAL PLAN

FITTING SHOWN ON BOTTOM FRAME CILL - RIGHT HAND ILLUSTRATION

IPA NO.	62796	62797
MAX. SASH WEIGHT KGS	30	40
MIN. SASH WIDTH	240	370
MAX. SASH WIDTH	750	835
SCREW	4.0	4.0

FIG. 3

FITTING:

1. THE FITTING SHOULD BE POSITIONED IN THE GROOVES AT HEAD AND CILL OF FRAME AND SCREWED ON (FIGURE 1 AND 2)
2. NOW PUSH THE WINDOW SASH INTO POSITION BY SASH SLOTS AND FASTEN THE SCREWS.
3. THE FRICTION CAN NOW BE ADJUSTED ON THE TOP FITTING. IF A LARGER OPENING IS WANTED THEN JUST MOVE THE ADJUSTABLE STOP FITTING IN THE TOP FRAME ALUMINIUM RAIL.
4. THE SASH CAN BE ADJUSTED ± 1.5 MM SIDEWAYS. BEFORE ANY ADJUSTMENT THE MOUNTING SCREW IN THE ADJUSTMENT PLATE IN THE TOP 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 90° POSITION COMPARED TO THE FITTING, WHICH INDICATING THE 0-POSITION. THE ECCENTRIC SCREW CAN BE TURNED 90° TO EACH SIDE, WHICH GIVES THE MAXIMUM ADJUSTMENT OF $1\frac{1}{2}$ MM. AFTER THE ADJUSTMENT THE MOUNTINGSCREW IN THE ADJUSTMENT PLATE IS FASTENED.

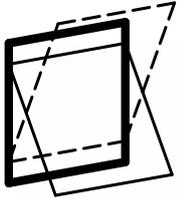
MAINTENANCE:

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 28-29.



REVERSIBLE PROJECTING GEAR

IPA No. 62944-52

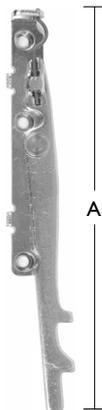


1/2 SET

ORDERING NO.									
IPA NO.	MATERIAL	WITHOUT SPECIFICATION	SURFACE	STANDARD PACKING IN BOXES OF 1 SET	A MM	B MM	FRAME DIMENSION OUTSIDE MM	SCREW	APPROX. WEIGHT KG / SET
	STEEL		ELECTROPLATED						
62944	1	0	21	1	20	513	588-687	4.0	1.16
62945	1	0	21	1	20	613	688-787	4.0	1.36
62946	1	0	21	1	20	713	788-887	4.0	1.56
62947	1	0	21	1	20	813	888-987	4.0	1.76
62948	1	0	21	1	20	913	988-1087	4.0	1.96
62949	1	0	21	1	20	1013	1088-1187	4.0	2.16
62950	1	0	21	1	20	1113	1188-1287	4.0	2.36
62951	1	0	21	1	20	1213	1288-1387	4.0	2.56
62952	1	0	21	1	20	1313	1388-1487	4.0	2.76

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

FIRE-ESCAPE OPENING:
 500 MM FROM SASH HEIGHT 826 MM
 600 MM FROM SASH HEIGHT 1026 MM



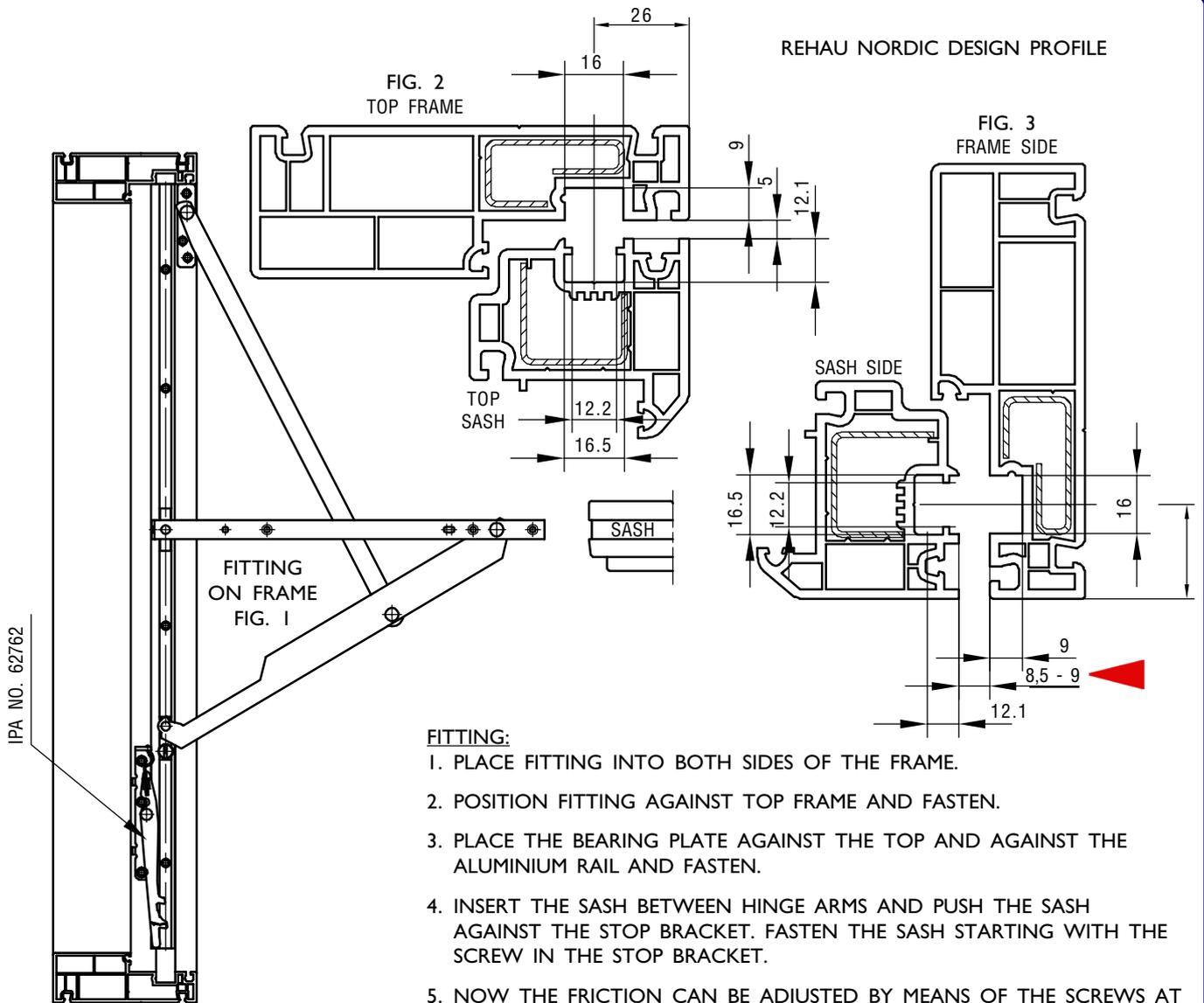
SAFETY CATCH
 IPA NO. 62762

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



IPA No.s 62944-52

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. NOW THE FRICTION CAN BE ADJUSTED BY MEANS OF THE SCREWS AT THE BOTTOM OF THE ALU-RAILS. THE FRICTION HAS TO BE THE SAME ON BOTH SIDES.
6. FIT THE RESTRICTOR IPA NO. 62562 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 WITH LOCK AUTOMATICALLY. DISENGAGE AS MENTIONED IN POINT 2.

MAINTENANCE:

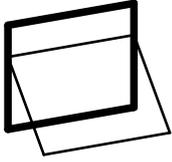
THE FITTINGS ARE NOT TO BE PAINTED. WHEN FITTING - LUBRICATE THE PIVOT/MOVABLE METAL PARTS OF THE MECHANISM WHILE ACTIVATING REPEATEDLY. HERAFTER LIBRICATE MINIMUM TWICE A YEAR. DO NOT GREASE THE ALUMINIUM RAILS. TEST THE OPERATION FROM TIME TO TIME. SEE ALSO INSTRUCTIONS ON PAGE 28-29.

IPA NO.	FITTING LENGTH MM	MAX. WEIGHT KGS
62944	544	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

USE THE LAGEST POSSIBLE FITTING



CANOPY STAY WITH FRICTION IPA No. 62970-75



1/2 SET

ORDERING NO.									
IPA NO.	MATERIAL		SURFACE			A MM	B MM	SCREW	APPROX. WEIGHT KG / SET
	STEEL	W/O SPECIFICATION	ELECTROPLATED	STANDARPACKING IN BOXES OF 5 SETS	INDUSTRY PACKING IN BOXES OF 25 SETS				
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

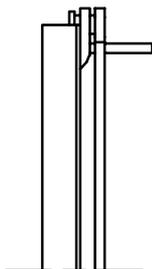
- CONCEALED FITTINGS
- ADJUSTABLE FRICTION
- ANODIZED ALUMINIUM RAILS
- THE MOVEMENT GEOMETRY ENSURES MAXIMUM SEALING

FIRE-ESCAPE OPENING:

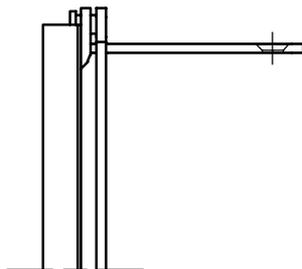
IPA NO. 62970
500 MM FROM SASH HEIGHT 826 MM

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

REHAU NORDIC DESIGN PROFILE

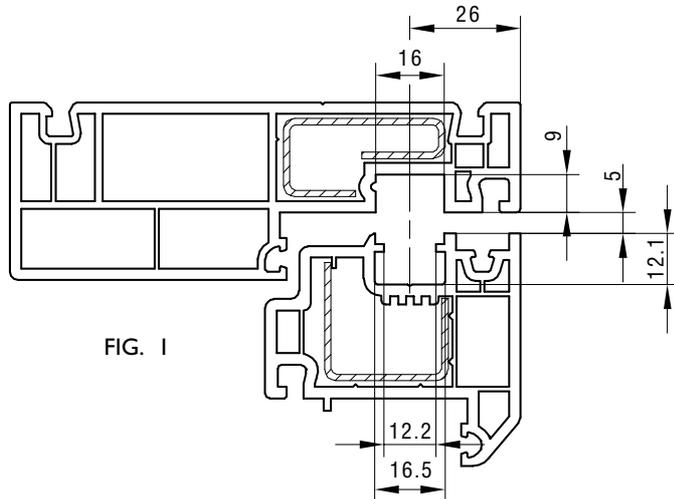


FIG. 1

VERTICAL PLAN

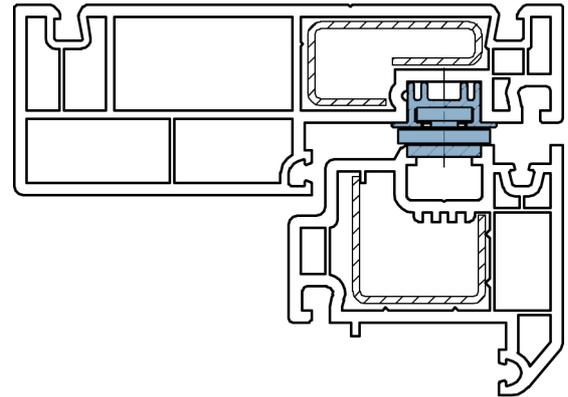


FIG. 2

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:

- 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.
- PUSH THE SASH INTO ITS PLACE BY INSERTING IT BETWEEN THE FITTINGS, GUIDED BY THE GROOVES IN THE SASH, TILL 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).
- 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.

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 28-29.

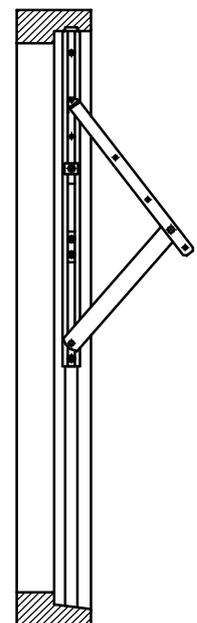
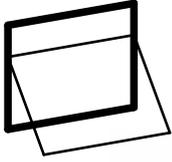


FIG. 3

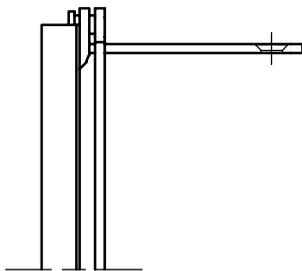


ADJUSTABLE CANOPY STAY WITH FRICTION

IPA No. 62986-87 + 89



1/2 SET



ORDERING NO.						A MM	B MM	SCREW	APPROX. WEIGHT KG / SET
IPA NO.	MATERIAL	SURFACE		STANDARD PACKING IN BOXES OF 5 SETS	INDUSTRY PACKING IN BOXES OF 25 SETS				
	STEEL	W/O SPECIFICATION	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 ± 1.5 MM
- CONCEALED FITTINGS
- ADJUSTABLE FRICTION
- ANODIZED ALUMINIUM RAILS
- THE MOVEMENT GEOMETRY ENSURES MAXIMUM SEALING

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

REHAU NORDIC DESIGN PROFILE

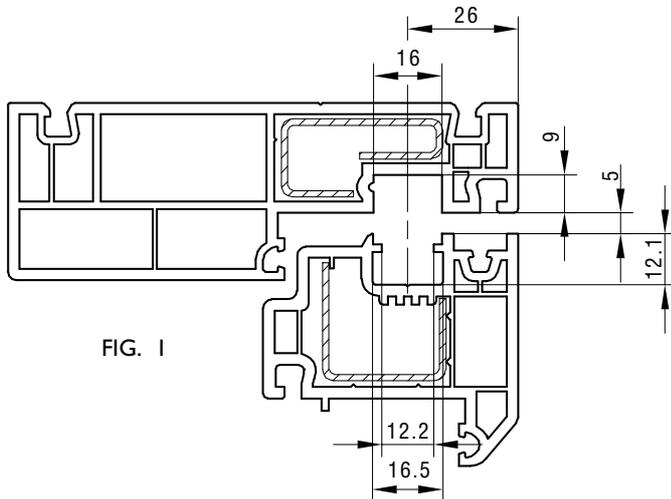


FIG. 1

VERTICAL PLAN

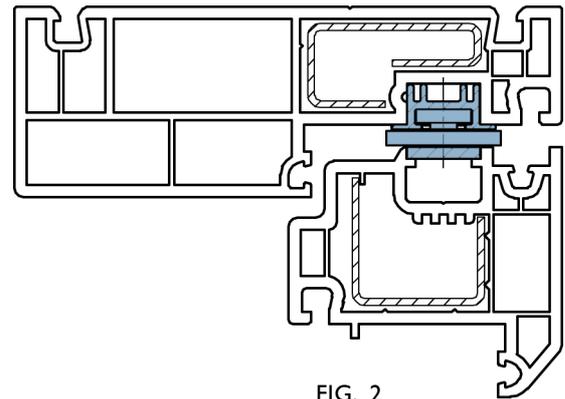


FIG. 2

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:

- 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.
- PUSH THE SASH INTO ITS PLACE BY INSERTING IT BETWEEN THE FITTINGS, GUIDED BY THE GROOVES IN THE SASH, TILL 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
- 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.
- 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 POSITION IN EITHER TOP OR BOTTOM, THE FITTING IS ADJUSTED TO IT'S MAX OF ± 1.5 MM. AFTER THE ADJUSTMENT THE MOUNTINGSCREWS IN THE BOTTOM OF EACH SIDE ARE FASTENED.

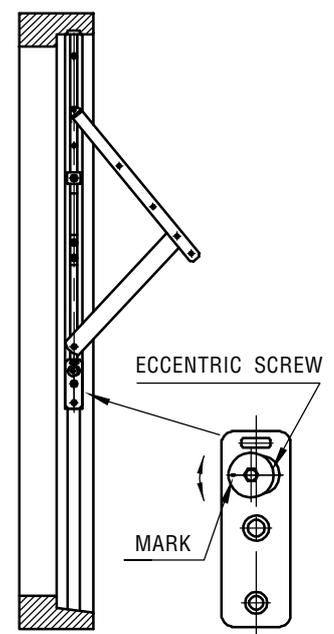


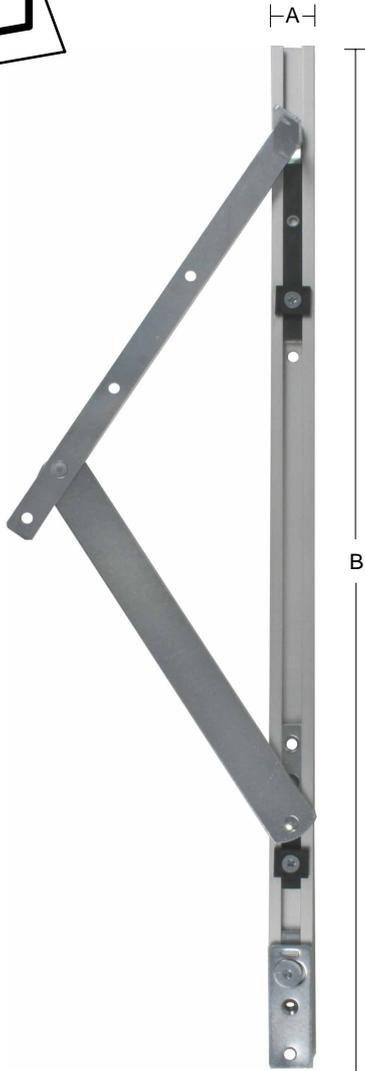
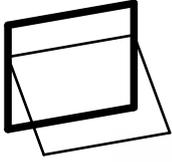
FIG. 3

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 28-29.



ADJUSTABLE CANOPY STAY WITH ADJUSTABLE FRICTION IPA No. 62988

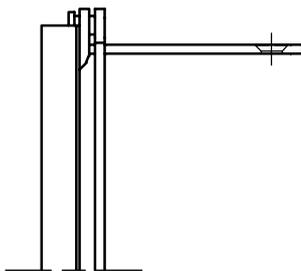


ORDERING NO.									
IPA NO.	MATERIAL	W/O SPECIFICATION	SURFACE		STANDARD PACKING IN BOXES OF 5 SETS	A MM	B MM	SCREW	APPROX. WEIGHT KG / SET
	STEEL		ELECTROPLATED						
62988	1	0	21	1	23	537	4.0	0.82	

- VERTICALLY ADJUSTABLE ± 1.5 MM
- ADJUSTABLE FRICTION
- CONCEALED FITTINGS
- ANODIZED ALUMINIUM RAILS
- THE MOVEMENT GEOMETRY ENSURES MAXIMUM SEALING

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

REHAU NORDIC DESIGN PROFILE

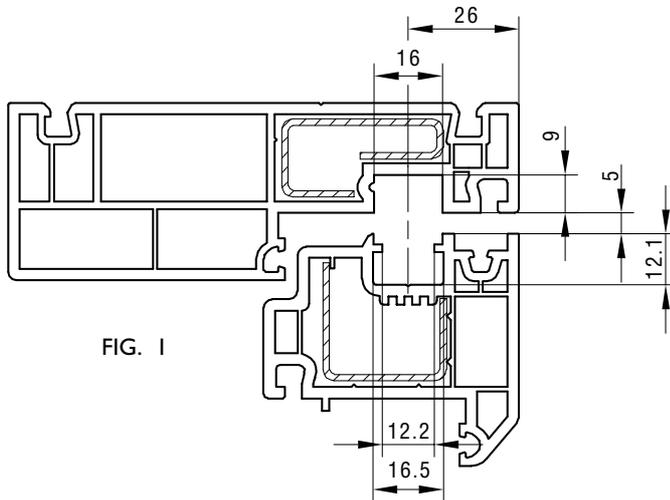


FIG. 1

VERTICAL PLAN

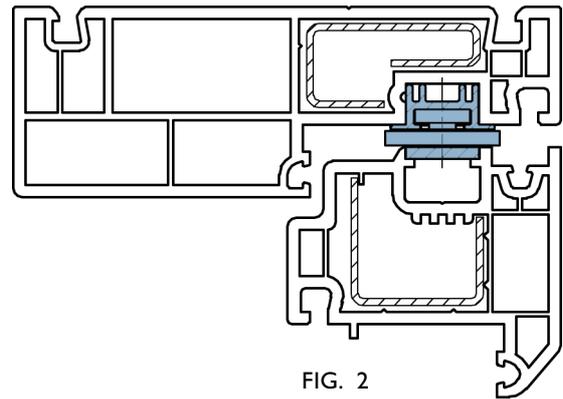


FIG. 2

IPA NO.	62988
MAX. SASH WEIGHT KG	50
MAX. SASH HEIGHT MM	940
SCREW	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.
2. PUSH THE SASH INTO ITS PLACE BY INSERTING IT BETWEEN THE FITTINGS, GUIDED BY THE GROOVES IN THE SASH, TILL 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 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 POSITION IN EITHER TOP OR BOTTOM, THE FITTING IS ADJUSTED TO IT'S MAX OF ± 1.5 MM. AFTER THE ADJUSTMENT THE MOUNTINGSCREWS 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 28-29.

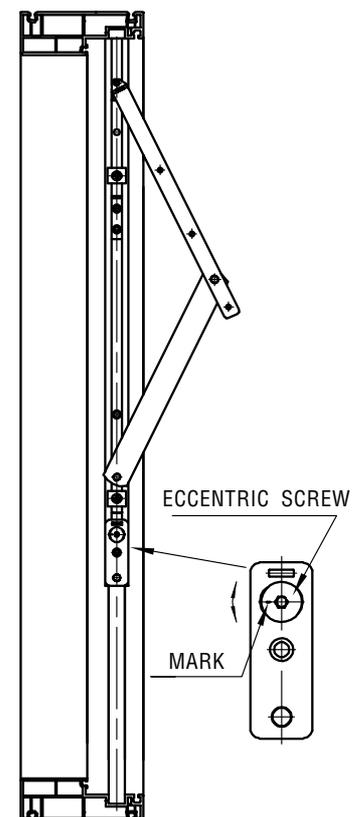
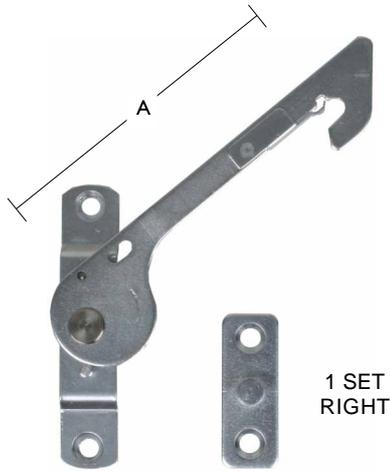
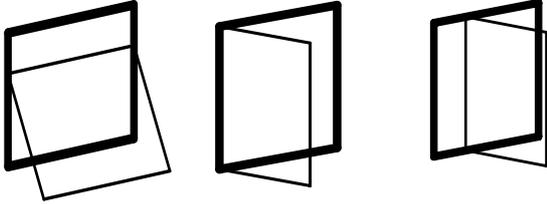


FIG. 3



SAFETY CATCH

IPA No. 62936



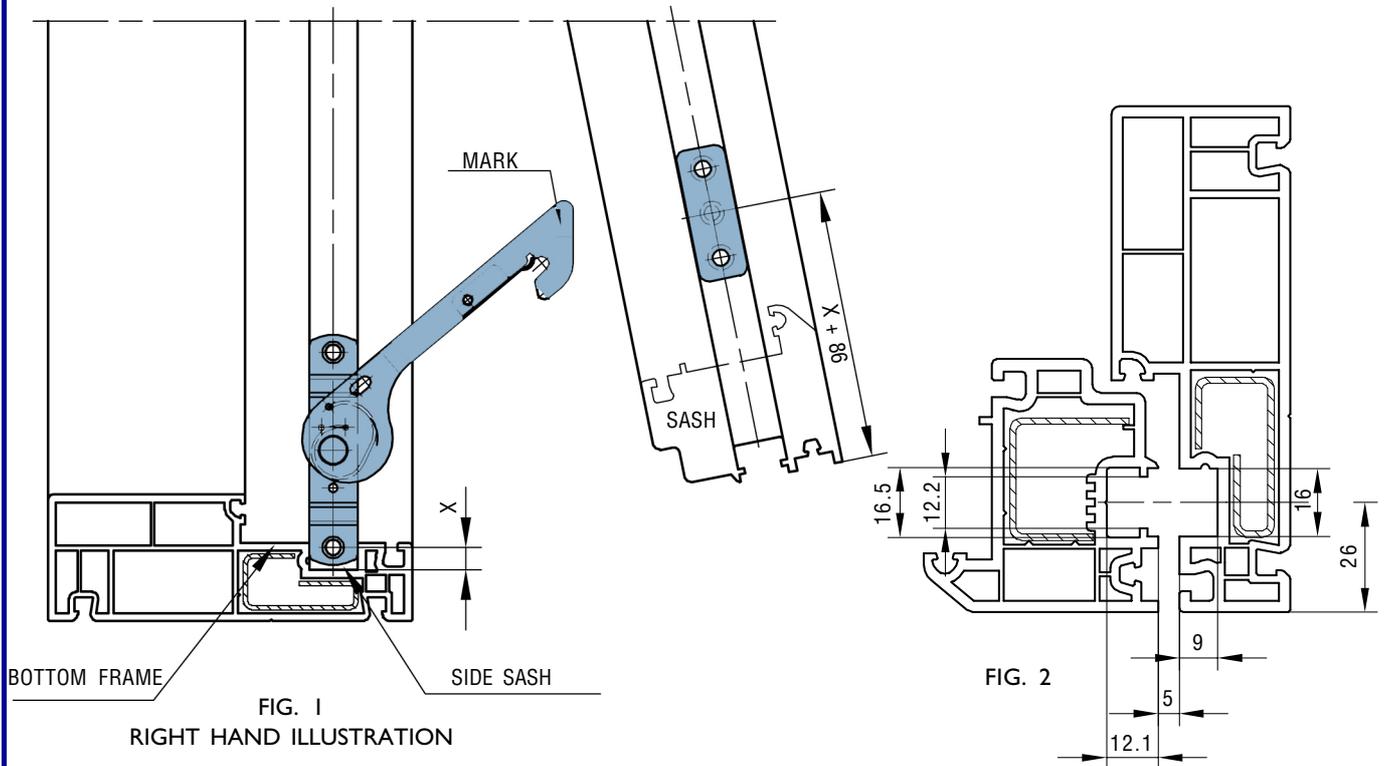
ORDERING NO.								
IPA NO.	MATERIAL			SURFACE	STANDARDPACKING IN BOXES OF 5 SETS	A MM	SCREW	APPROX. WEIGHT KG / SET
	STEEL	LEFT	RIGHT	ELECTROPLATED				
62936	1	7	8	21	1	92	4.0	0.06



IPA No. 62936

FITTING INSTRUCTIONS

REHAU NORDIC DESIGN PROFILE



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/BOTTOM FRAME ON THE OPPOSITE SIDE OF THE HINGES AND THE RECEIVER IS PLACED IN THE TOP/BOTTOM 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

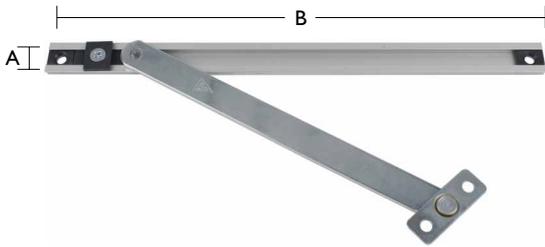
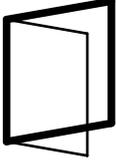
MAINTENANCE:

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 28-29.



FRICITION STAY for windows

IPA No. 62927



ORDERING NO.									
IPA NO.	MATERIAL	SURFACE		STANDARD PACKING IN BOXES OF 25 PCS.	A MM	B MM	MATERIAL MM	SCREW	APPROX. WEIGHT KG / PC.
	STEEL	W/O SPECIFICATION	ELECTROPLATED						
62927	1	0	21	1	23	274	17X3	4.0	0.14

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



IPA No. 62927

FITTING INSTRUCTIONS

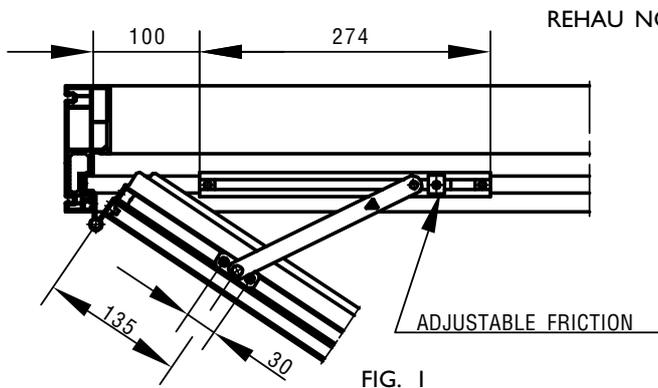


FIG. 1

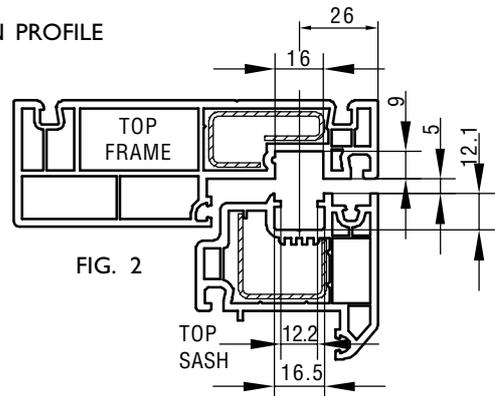


FIG. 2

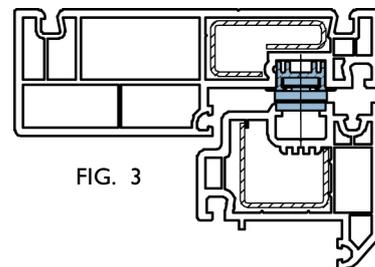


FIG. 3

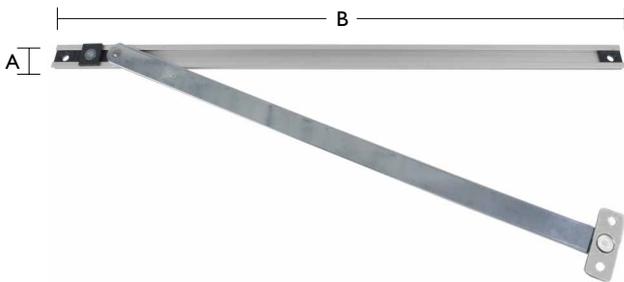
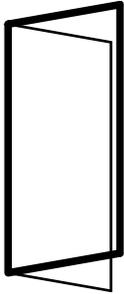
MAINTENANCE:

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 28-29.



FRICITION 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	23	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

REHAU NORDIC DESIGN PROFILE

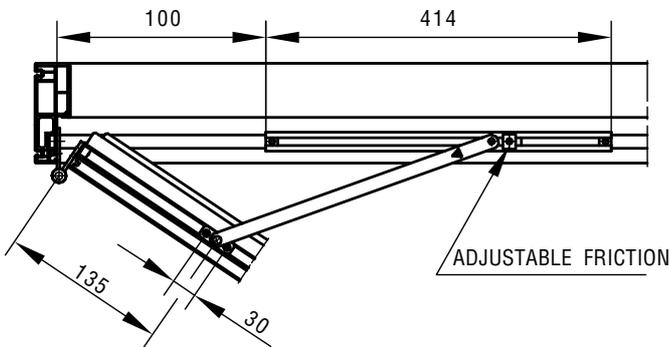


FIG. 1

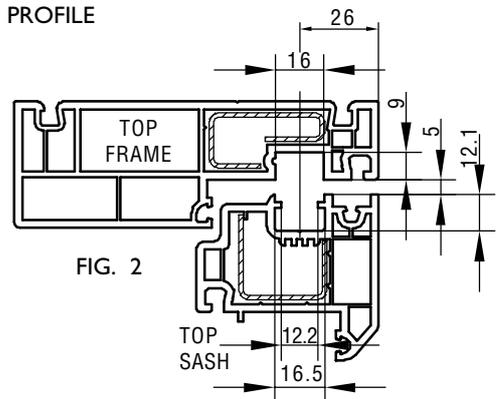


FIG. 2

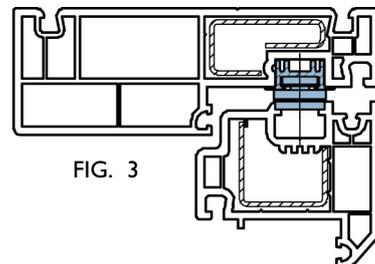


FIG. 3

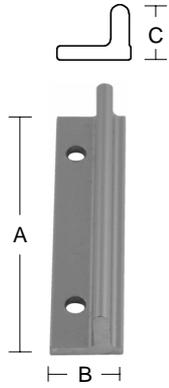
MAINTENANCE:

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 28-29.

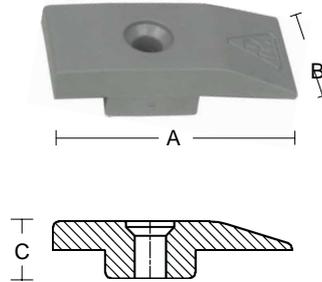
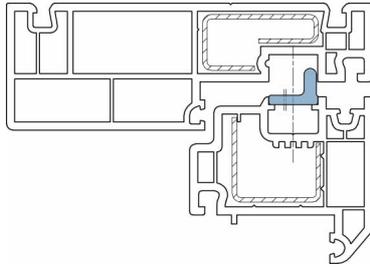


ACCESSORIES

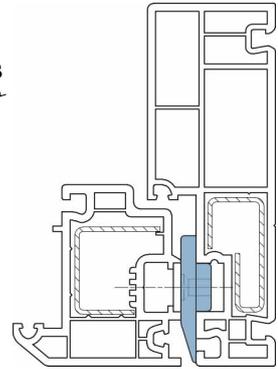
IPA No.s 62222, 63230 & 63908-09



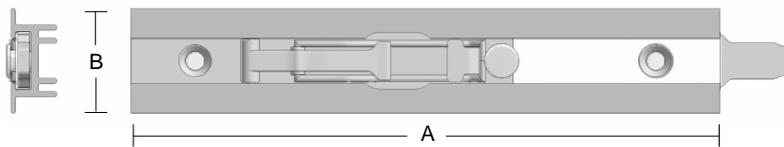
SUPPORT FITTING
IPA NO. 62222



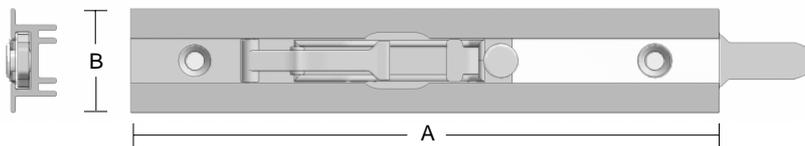
GUIDE BLOCK
IPA NO. 63230



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

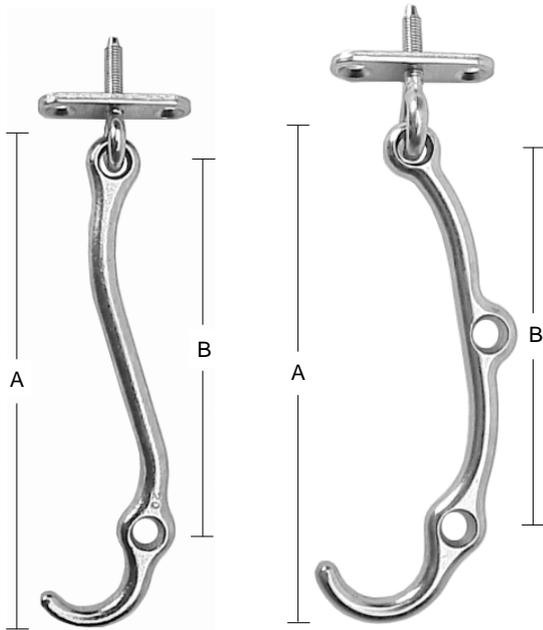


FLUSH BOLT
IPA NO. 63909

ORDERING NO.												
IPA NO.	MATERIAL		SURFACE		STANDARD PACKING IN BOXES OF 10 PCS.	A MM	B MM	THICKNESS MM	BOLT MM	LENGTH BOLT MM	SCREW	APPROX. WEIGHT KG / PC.
	STEEL	SQUARE EDGES	ELECTROPLATED									
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	



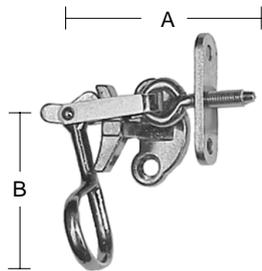
CASEMENT HOOKS, HOOK CATCH & CASEMENT FASTENERS



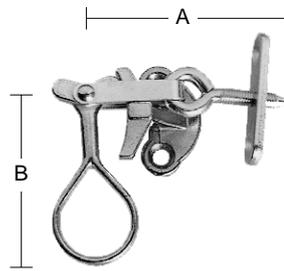
21371

21379

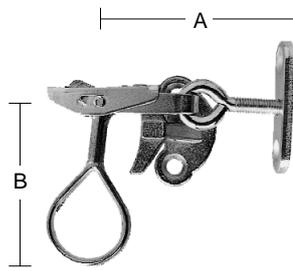
ORDERING NO.												
IPA NO.	MATERIAL		SURFACE				STANDARD PACKING IN BOXES OF 50 PIECES	INDUSTRY PACKING IN BOXES OF 250 PIECES	A MM	B MM	HOLE FOR PIN MM	APPROX. WEIGHT KG / 100 PIECES
	ZINK ALLOY	WITHOUT SPECIFICATION	ELECTROPLATED / WHITE	ELECTROPLATED	ELECTROPLATED YELLOW							
21371	0	0	06	21	25	-	2	130	95	6	6.0	
21379	0	0	-	-	25	1	-	120	93	6	5.6	



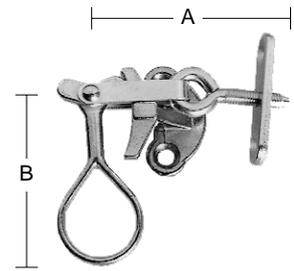
21386



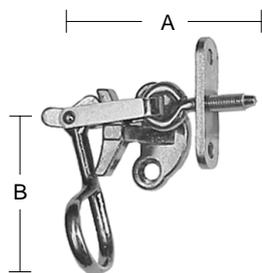
21393



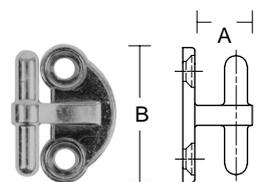
21394



21396



21383



21382

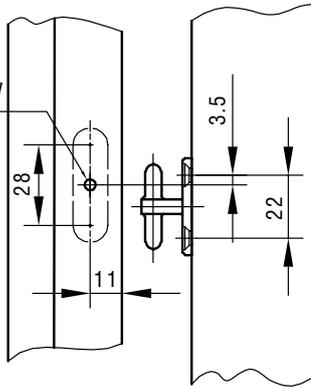
ORDERING NO.																				
IPA NO.	MATERIAL		SURFACE							STANDARD PACKING IN BOXES OF 25 PIECES	STANDARD PACKING IN BOXES OF 50 PIECES	INDUSTRY PACKING IN BOXES OF 200 PIECES	INDUSTRY PACKING IN BOXES OF 250 PIECES	INDUSTRY PACKING IN BOXES OF 500 PIECES	A MM	B MM	RING SCREW THREAD MM	PIN MM	SCREW	APPROX. WEIGHT KG / 100 PIECES
	STEEL	BRASS	W/O SPECIFICATION	ELECTROPLATED / WHITE	PHOSPH. BROWN	ELECTROPLATED	ELECTROPLATED YELLOW	POLISHED												
21382	1	-	0	-	-	21	25	-	-	1	-	2	-	13.3	34	-	5,6	3.5	0.75	
21383	1	-	0	-	-	21	25	-	-	-	-	2	-	55	50	20	-	3.5	4.0	
21386	1	-	0	06	-	21	25	-	-	1	-	2	-	54	50	15	-	3.5	5.0	
21393	1	-	0	-	12	-	-	-	-	1	-	-	-	59	50	20	-	3.5	4.4	
	1	-	0	06	-	21	25	-	-	1	-	2	-							
	-	6	0	-	-	-	-	85	-	1	2	-	-							
21394	1	-	0	-	-	21	25	-	1	-	-	-	-	59	50	20	-	3.5	5.0	
21396	1	-	0	-	-	21	25	-	-	-	-	-	2	55	50	20	-	3.5	5.0	



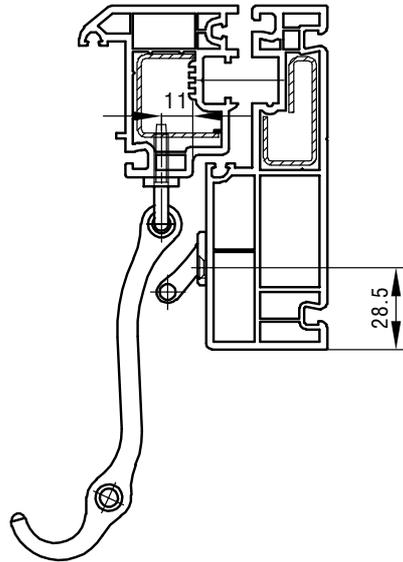
FITTING INSTRUCTIONS

IPA NO. 21371 + 21379 + 21382

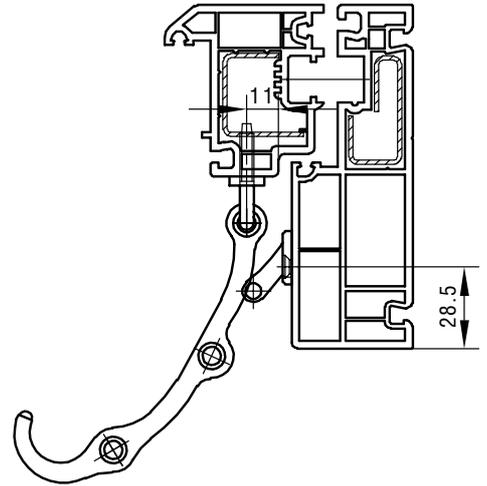
DRILL 5 MM
HOLE FOR
RING SCREW



IPA NO. 21382

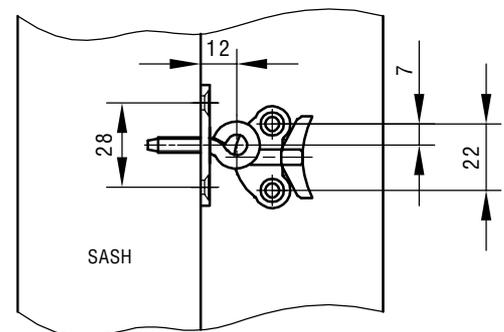
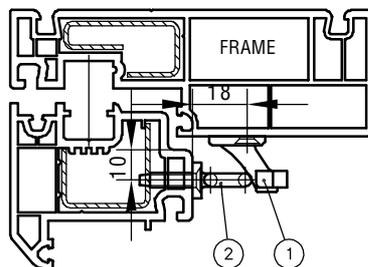
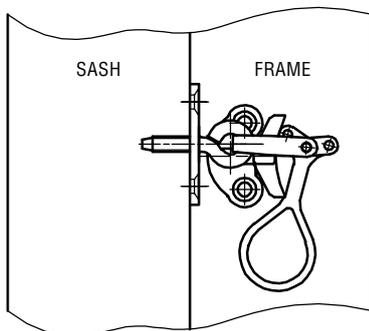


IPA NO. 21371 WITH 21382



IPA NO. 21379 WITH 21382

IPA NO. 21386 + 21393-94

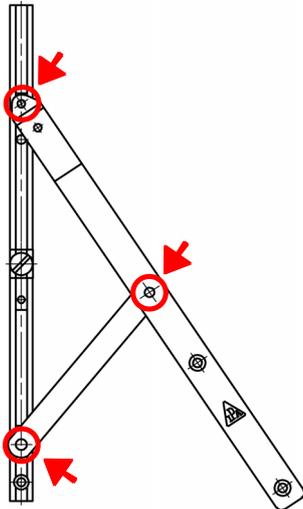


MONTERUNG:

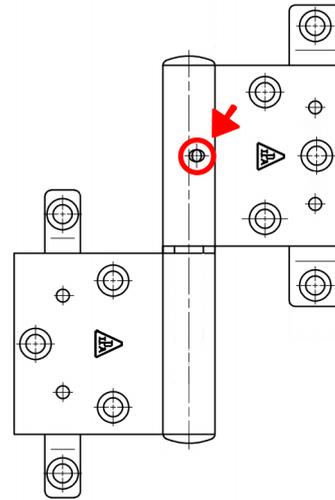
1. MOUNT THE RECEIVER ① IN THE WANTED HEIGHT ON THE SIDEFAME.
2. IPA NO. 21386 + 21393-94: FOR CASEMENT FASTENERS WITH SCREW PLATE ② MEASURE PRECISELY ON THE SASH AND DRILL A 5 MM HOLE FOR THE RING SCREW. MARK UP THE 2 SCREW HOLES ON THE SCREW PLATE AND FASTEN THE CASEMENT FASTENER..



MAINTENANCE LUBRICATION INSTRUCTIONS



IPA NO. 62944-52
IPA NO. 62795
IPA NO. 62970-75
IPA NO. 62986-89



IPA NO. 60798
IPA NO. 61774
IPA NO. 61798

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.

ESPAÑOULETTES 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.



ESPAGNOLETTES

IPA HAS A LARGE PROGRAMME OF ESPAGNOLETTE BOLTS WHICH SLIGHTLY MODIFIED CAN BE USED IN THE REHAU NORDIC DESIGN PROFILE.

EXAMPLE
IPA NO.S 23701 - 10

RECEIVER
IPA NO. 63252



HANDLE
IPA NO. 23228



ASK YOUR DEALER OR CONTACT IPA DIRECTLY FOR MORE INFORMATION.



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