

RIBANTAINCANTO

WITH CONCEALED HINGES

Verified according to the standard EN 13126-8:2006



For Euro Groove profiles and NC International

GB 10/2006

NSAVIO

RIBANTA INCANTO

new tilt and turn with concealed hinges

Functional good looks

The range of SAVIO tilt and turn window solutions has evolved with RIBANTA INCANTO, the new tilt and turn mechanisms with concealed hinges for European groove and NC International profiles. An absolute innovation that combines beauty with high performance functionality.

Excellent in application

New tilt and turn window is compatible with wide range of application conditions, with width of up to 1700 mm and height of up to 2800 mm. This mechanism allows leaf free rotation until a maximum of 110°. A carrying capacity of 100 kg has been verified by RAL tests and according to new european standards. Moreover, cutting of leaf perimeter gasket is not required. In this way, window sound absorption performances are improved.

Easy installation

RIBANTA INCANTO offers a lock/release system from leaf to frame, thanks to an innovative clip-system preassembled into the slotted guide.

Versatile adjustment

RIBANTA INCANTO features optimal adjustment facilities in three directions: lateral adjustment on both the top and bottom hinges; vertical adjustment by means of a preassembled screw and closing pressure adjustment by means of the fixed support block of the tilt and turn hinge.

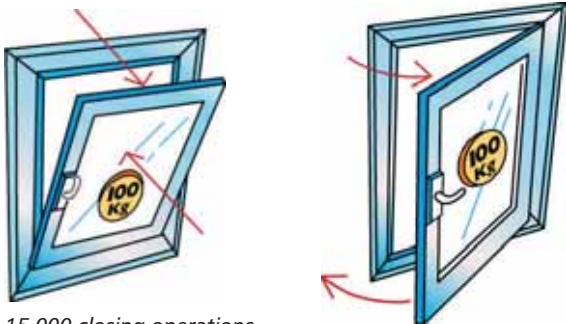


*Great look outside
great features inside...*

RIBANTA INCANTO RAL TESTS

Technicians of the "Gütegemeinschaft Schlösser und Beschläge" laboratory have carried out a series of difficult and hard tests based on the following 5 main ones:

1. Endurance test



15.000 closing operations
 15.000 opening operation, turn position
 15.000 opening operation, tilt position
 15.000 closing operations
TOTAL:
 60.000 movements

2. 90° rotation

5.000 opening and closing cycles with 90° rotation (turn position)



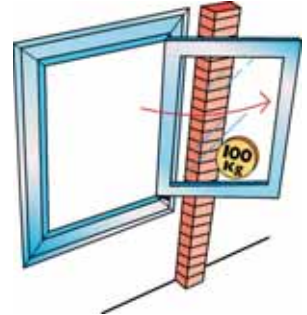
3. Supplementary load



A supplementary load of 100 Kg is added for 5 minutes to the normal weight of the casement (100 kg)
TOTAL: 200 Kg.

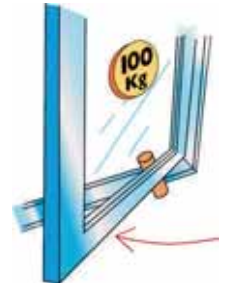
4. Post simulation test

The casement is accelerated for three times during opening against a post placed close to hinge axis



5. Test with obstacle in the rabbet

The casement is accelerated for three times during closing after placing an obstacle close to the hinges.



RAL CERTIFICATE



At the end of the tests, RIBANTA INCANTO fully met the requirements of the RAL tests, with no alteration to its performances



Classification table for tilt and turn windows according to the standard EN 13126-8:2006

1	2	3	4	5	6	7	8	9
-	4	100	0	1	4	-	8	1300/1200

The various grades obtainable are:
(*RIBANTA INCANTO* grades in bold)

Category of use (1)

Not requested

Durability (2)

Grade 4: 15000 tilt and turn opening and closing cycles

Grade 5: 25000 opening and closing cycles (turn position)

Max weight of the window (3)

100: Max carrying capacity of the window 100 Kg.

Application on fire/smoke door assemblies (4)

Not requested

Safety (5)

Grade 1: the mechanism is safe for the user

Corrosion resistance according to the standard EN 1670 (6)

Grade 3: high resistance (96 hours in salt spray)

Grade 4: very high resistance (240 hours in salt spray)

Anti-burglar security (7)

Not requested.

Mechanism application typology (8)

Grade 8: Type A, tilt and turn window (internal opening)

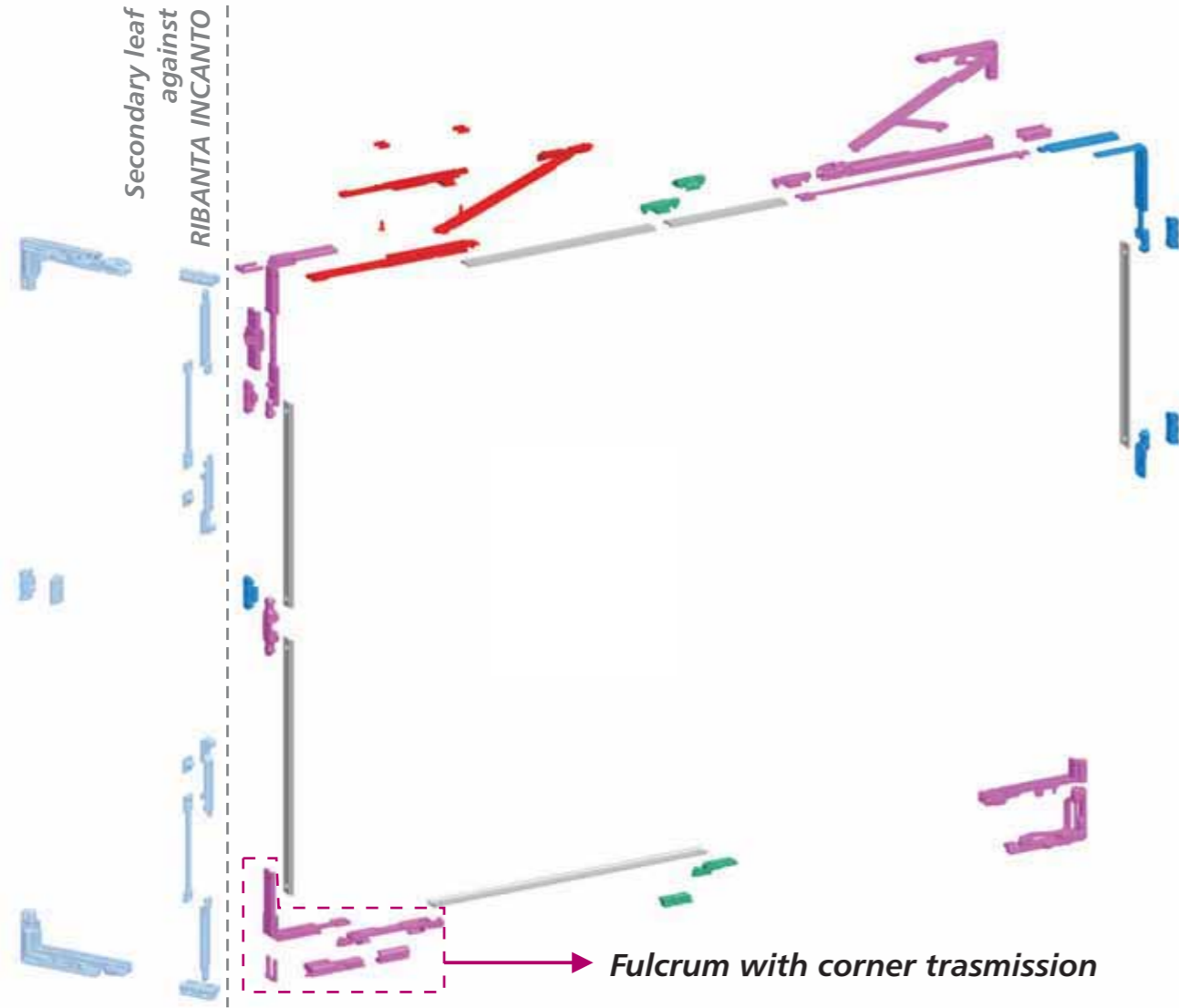
Sample for test dimensions(9)

Width 1300 mm

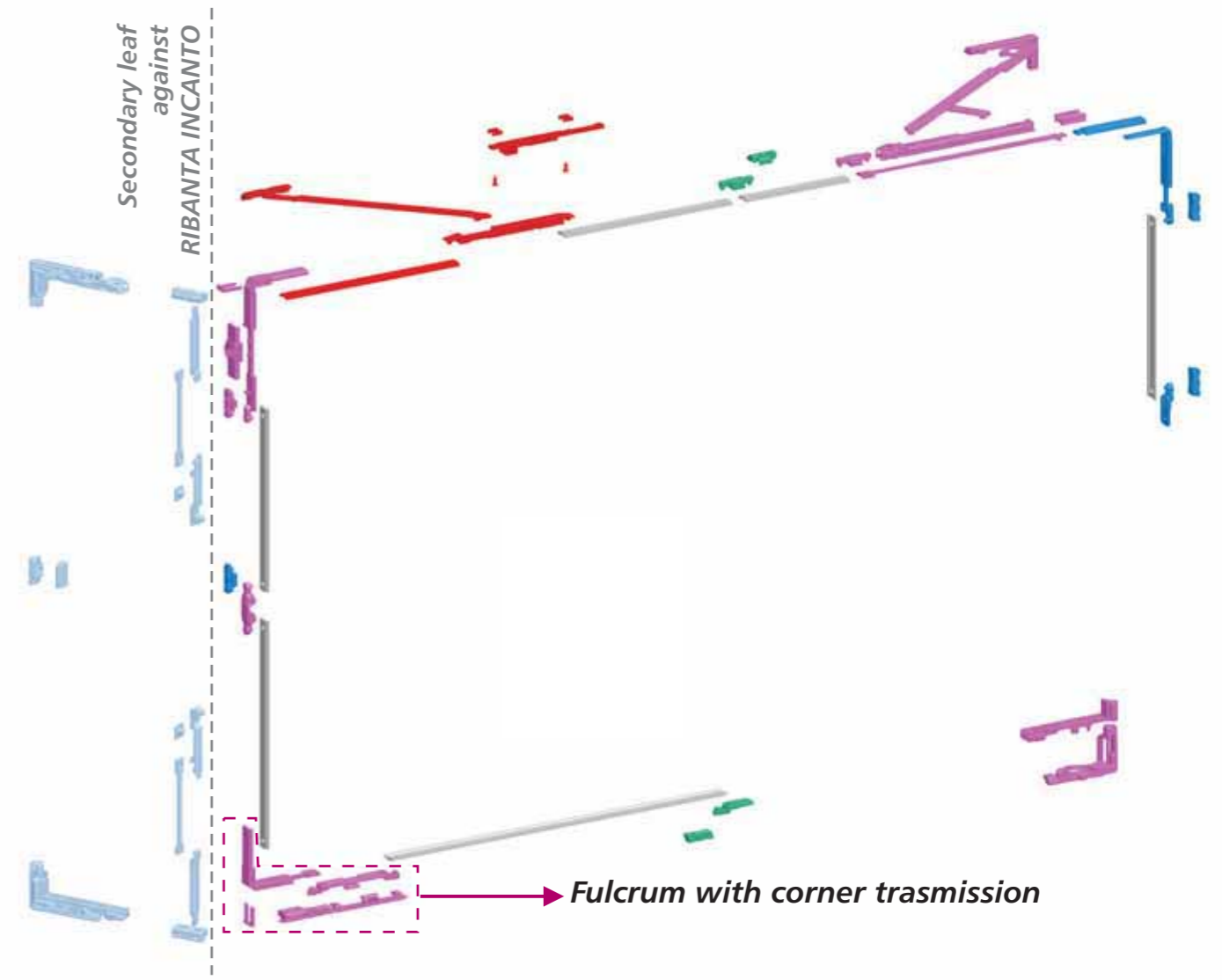
Max height: 1200 mm

Grades indicated in the table above are the results of tests carried out according to the parameters of RAL tests shown on page 4.

Traditional manoeuvre



Tilt first manoeuvre



Pieces needed for realizing a window, following L and H dimensions (mm)

Pcs.	Description	Traditional manoeuvre	RIBANTA INCANTO							Semi-fixed casement	
			H mm	700	1401	700	1401	700	1401		1401
			L mm	450	621	1201	1401	1500			
5	RH basic kit with standard arm - Corner transmission fulcrum	3010				1	1	1	1	1	
5	LH basic kit with standard arm - Corner transmission fulcrum	3010.1									
5	RH basic kit with short arm - Corner transmission fulcrum	3010.3									
5	LH basic kit with short arm - Corner transmission fulcrum	3010.4		1	1						
5	Supplementary arm	3100.800						1	1	1	
40	Locking piece	3100.821									1
40	Adjustable keeper	1243.721									2
40	Locking piece	1243.710									1
5	Kit for 6 locking points	3010.820			1		1		1	1	
5	Hinges for semi-fixed casement	3020									1
40	Supplementary locking point hinges side (H > 1400 mm)	1246.832									1
1	Jig for art. 3010/.1/.3/.4 and for 3011/.1/.3/.4	3100.950						1			

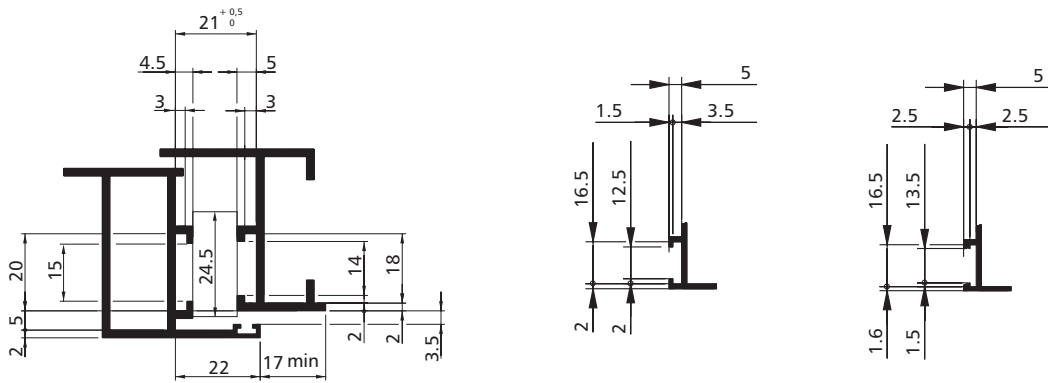
Pieces needed for realizing a window, following L and H dimensions (mm)

Pcs.	Description	Tilt first manoeuvre	RIBANTA INCANTO							Semi-fixed casement	
			H mm	700	1401	700	1401	700	1401		1401
			L mm	450	621	1201	1401	1500			
5	RH basic kit with standard arm - Corner transmission fulcrum	3011				1	1	1	1	1	
5	LH basic kit with standard arm - Corner transmission fulcrum	3011.1									
5	RH basic kit with short arm - Corner transmission fulcrum	3011.3									
5	LH basic kit with short arm - Corner transmission fulcrum	3011.4		1	1						
5	Supplementary arm	3101.800						1	1	1	
40	Locking piece	3100.821									1
40	Adjustable keeper	1243.721									2
40	Locking piece	1243.710									1
5	Kit for 6 locking points	3010.820			1		1		1	1	
5	Hinges for semi-fixed casement	3020									1
40	Supplementary locking point hinges side (H > 1400 mm)	1246.832									1
1	Jig for art. 3010/.1/.3/.4 and for 3011/.1/.3/.4	3100.950						1			

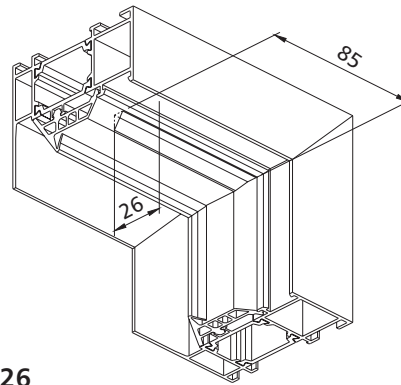
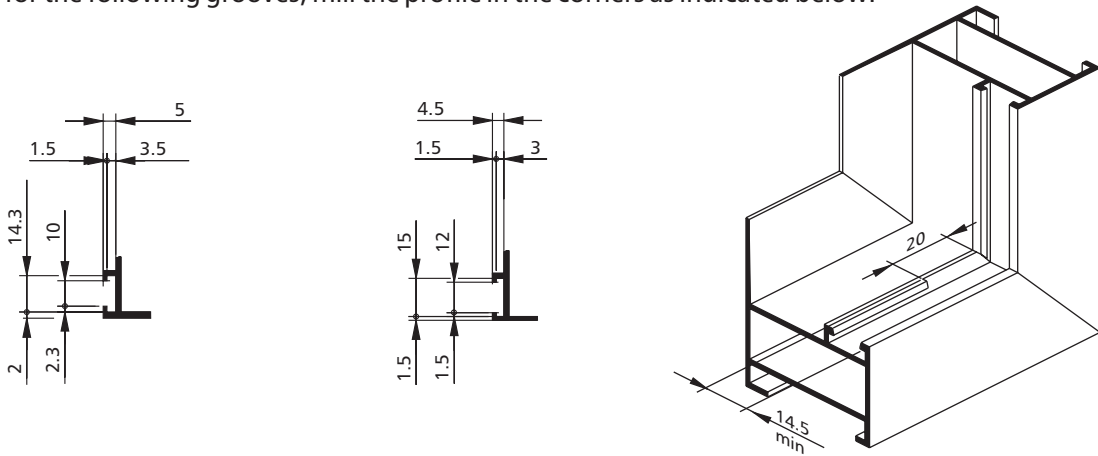
For BOLT and KEEPERS, see page 12.

For the complete range of HANDLES and SNAP LATCHES, see the table in the last pages.

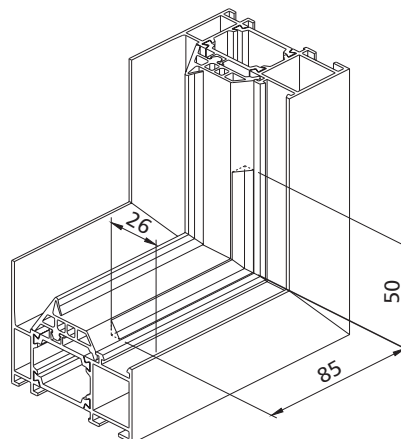
Suitable to all Euro Groove profiles and NC International and for profiles with the following groove dimensions, without machining:



Only for the following grooves, mill the profile in the corners as indicated below:



If the quote is lower than 26 mm, trim the gasket as indicated below.



APPLICATION FIELD

Casement max. weight 100 Kg

	2800	37	33	26	25	21	18	16	14	12	11	10	9	9	8	7
	2700	39	34	27	26	22	19	17	15	13	12	11	10	9	8	8
	2600	41	36	28	27	23	20	17	15	14	12	11	10	9	9	8
	2500	43	37	30	28	24	21	18	16	14	13	12	11	10	9	9
	2400	45	39	31	30	26	22	19	17	15	13	12	11	10	10	9
	2300	47	41	32	31	27	23	20	18	16	14	13	12	11	10	9
	2200	49	43	34	33	28	24	21	18	17	15	14	12	11	11	10
	2100	●	45	36	35	30	25	22	20	17	16	14	13	12	11	10
	2000	●	48	38	37	32	27	23	21	18	17	15	14	13	12	10
	1900	●	●	40	39	33	28	25	22	20	18	16	15	14	12	10
	1800	●	●	43	41	36	30	26	23	21	19	17	16	14	12	10
	1700	●	●	46	44	38	32	28	25	22	20	18	16	14	12	10
	1600	●	●	49	47	41	35	30	27	24	22	19	16	14	12	10
	1500	●	●	●	●	44	37	32	29	26	23	19	16	14	12	10
	1400	●	●	●	●	47	40	35	31	28	23	19	16	14	12	10
	1300	●	●	●	●	●	44	38	34	28	23	19	16	14	11	9
	1200	●	●	●	●	●	48	42	35	29	23	19	16	13	9	7
	1100	●	●	●	●	●	●	45	36	29	23	19	15	10	7	5
	1000	●	●	●	●	●	●	45	36	29	24	17	12	8	4	X
	900	●	●	●	●	●	●	46	36	28	19	13	8	4	X	X
	800	●	●	●	●	●	●	46	34	22	13	7	3	X	X	X
	700	●	●	●	●	●	●	42	25	14	6	X	X	X	X	X
	600	●	●	●	●	●	X	X	X	X	X	X	X	X	X	X
	550	●	●	●	●	●	X	X	X	X	X	X	X	X	X	X
		450	500	600	621	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700

- Feasible with max. glass thickness of 50 mm
- 20 Feasible with max. glass thickness indicated (e.g. 20 mm)
- X Not feasible

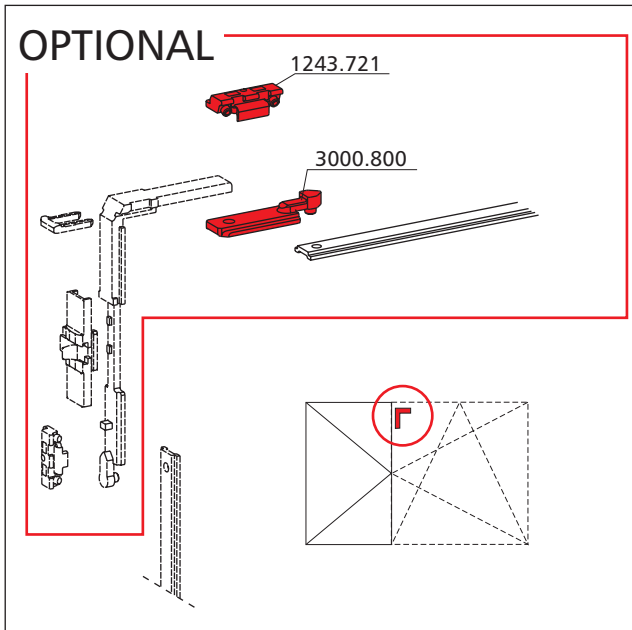
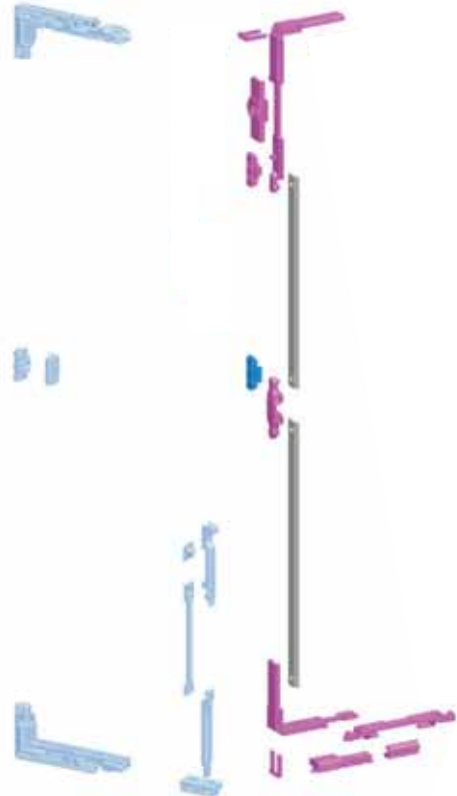
NOTE: Glass thickness refers to the thickness of the material without air space.

H

L

Assembling of locking piece art. 3000.800 (optional)

Feasible with leaf width from 500 to 1300 mm.



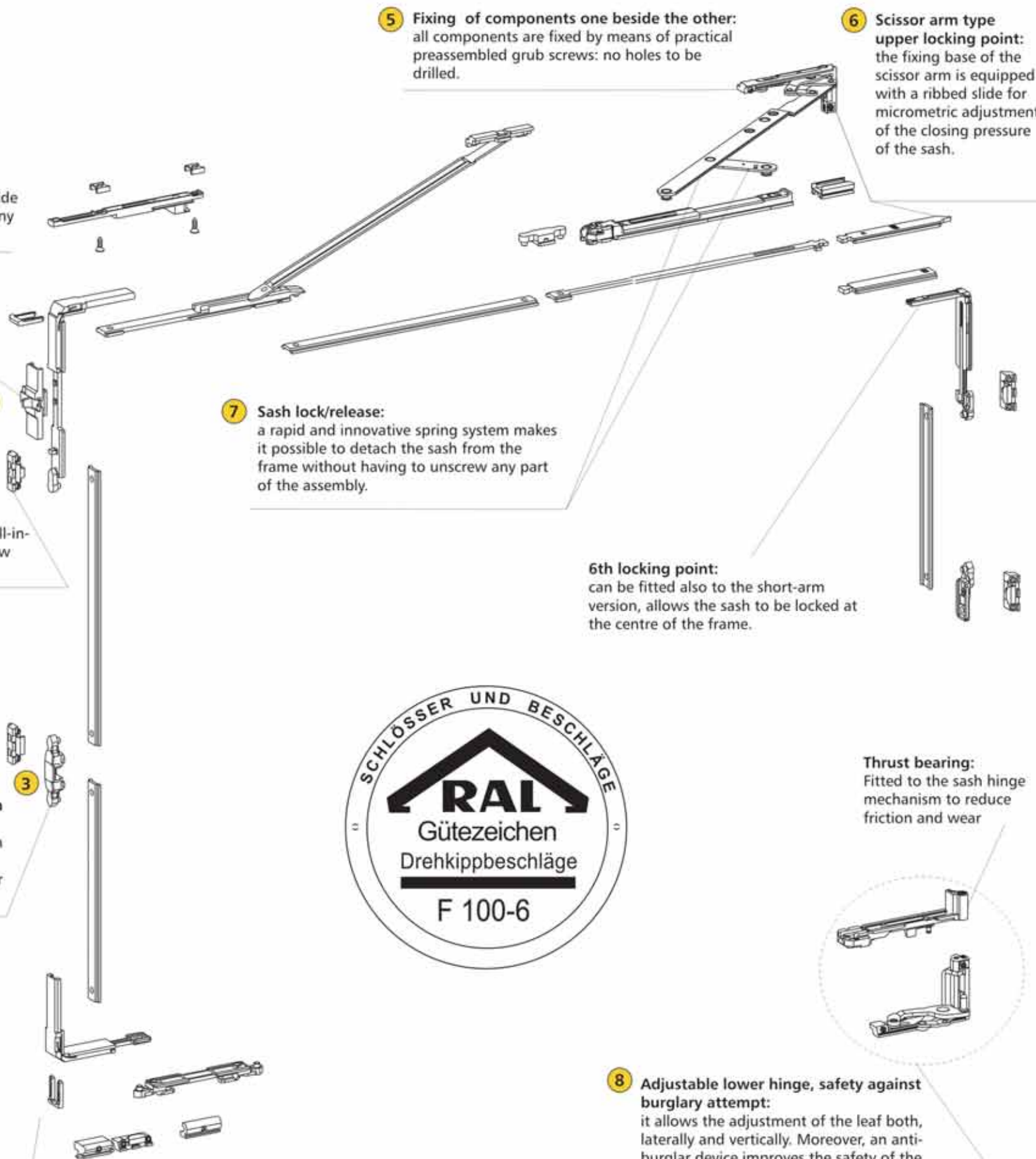


Security against wrong manoeuvre:
It is placed in the upper side of the window to avoid any risk of mishandling.

Adjustable keepers:
to guarantee the right pull-in-pressure on all the window perimeter.

Handle connection piece with pointed end:
it favours the approach between leaf and frame and makes for easier movement.

Horizontal fulcrum:
max. safety hooking.



5 Fixing of components one beside the other:
all components are fixed by means of practical preassembled grub screws: no holes to be drilled.

6 Scissor arm type upper locking point:
the fixing base of the scissor arm is equipped with a ribbed slide for micrometric adjustment of the closing pressure of the sash.

7 Sash lock/release:
a rapid and innovative spring system makes it possible to detach the sash from the frame without having to unscrew any part of the assembly.

6th locking point:
can be fitted also to the short-arm version, allows the sash to be locked at the centre of the frame.

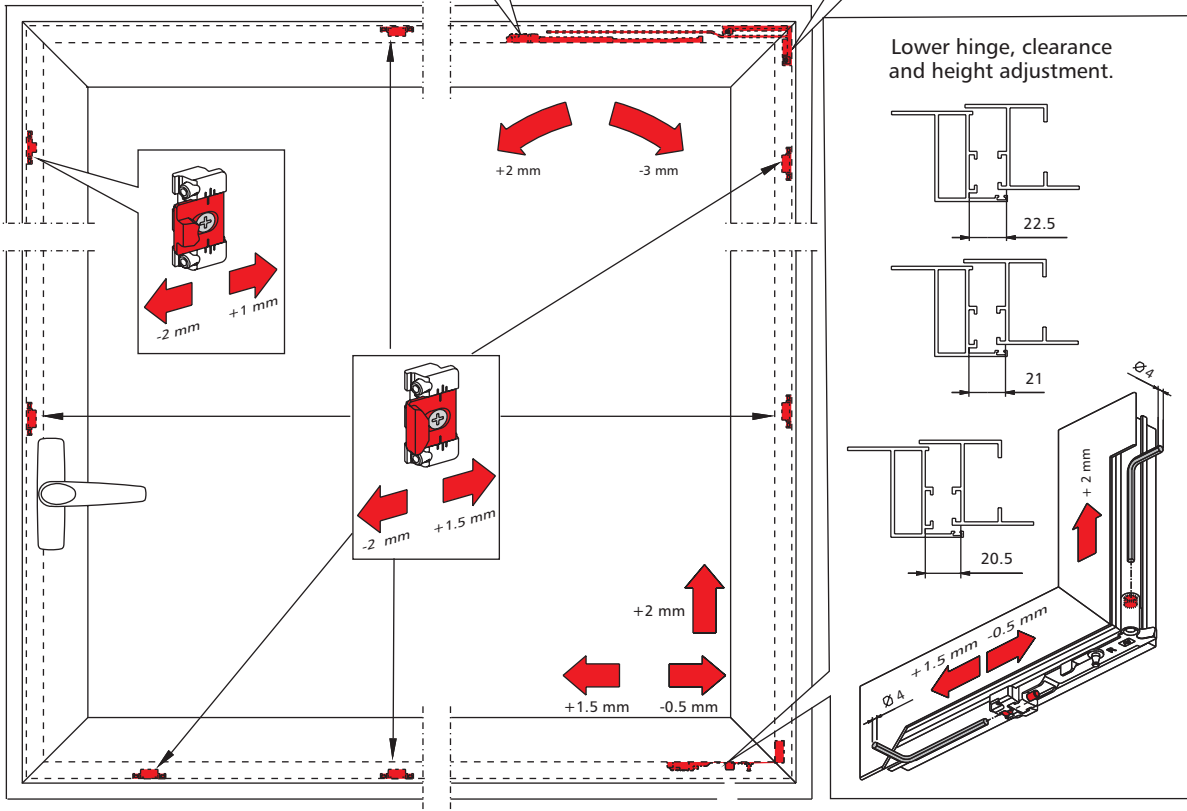
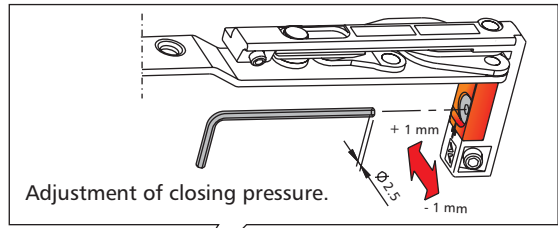
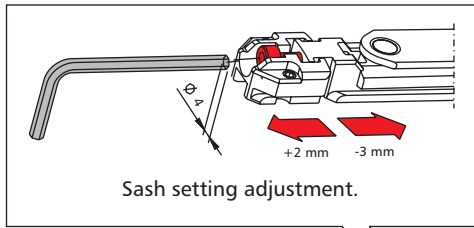


Thrust bearing:
Fitted to the sash hinge mechanism to reduce friction and wear

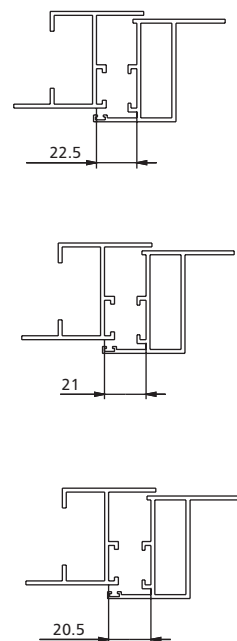
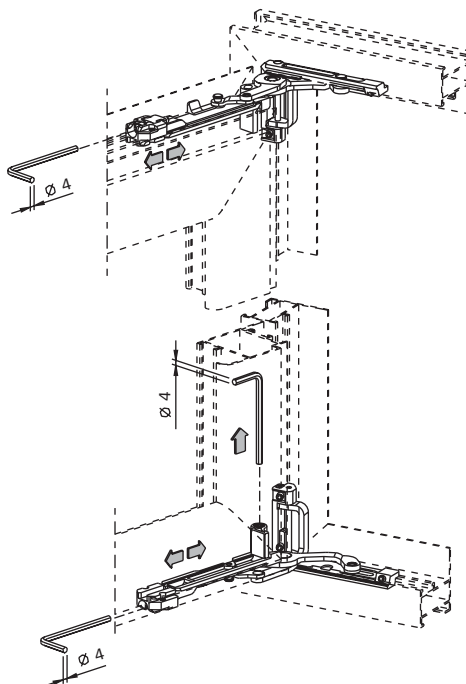
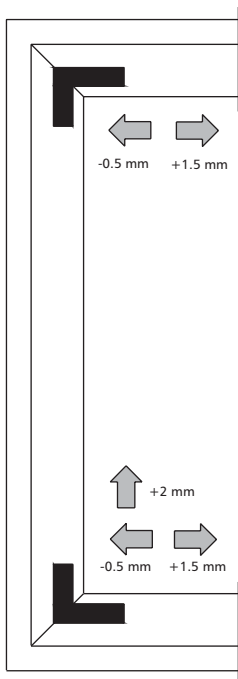
8 Adjustable lower hinge, safety against burglary attempt:
it allows the adjustment of the leaf both, laterally and vertically. Moreover, an anti-burglar device improves the safety of the window.



ART. 3010/.1/.3/.4 - 3011/.1/.3/.4

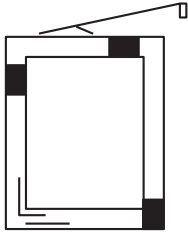



ART. 3020





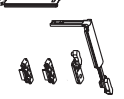


Item codes

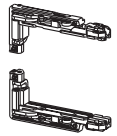


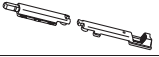
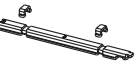
Basic kit (for 4 closing points)

Drawing	Article	Description	Pcs.	Finishes
	3010	(pat.) 4-point locking device for traditional manoeuvre , corner transmission fulcrum. Basic kit with standard arm in stainless steel 304, RH concealed hinges made in black galvanized zamak and high resistance white galvanized steel, corner transmission and locking points in black galvanized zamak, 9 nylon bushings Ø 6-8 mm, screws in stainless steel AISI 304.	5	
	3010.1	(pat.) Like 3010 but with LH concealed hinges .	5	
	3010.3	(pat.) Like 3010 but with short arm (7 nylon bushings).	5	
	3010.4	(pat.) Like 3010.3 but with LH concealed hinges .	5	
	3011	(pat.) 4-point locking device for tilt first manoeuvre , corner transmission fulcrum. Basic kit with standard arm in stainless steel 304, RH concealed hinges made in black galvanized zamak and high resistance white galvanized steel, corner transmission and locking points in black galvanized zamak, 9 nylon bushings Ø 6-8 mm, screws in stainless steel AISI 304.	5	
	3100.800	Supplementary arm for traditional manoeuvre .	5	
	3101.800	Supplementary arm for tilt first manoeuvre .	5	
	3100.950	Accessories positioning jig on fixed frame for art. 3010/.1/.3/.4 and 3011/.1/.3/.4.	5	

Supplementary locking points



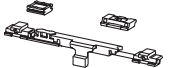






	3100.821	Locking piece in black galvanized zamak, 1 cup in low density polyethylene (LDPE), 1 nylon bushing Ø 6-8 mm.	40	
	1243.710	Locking piece black galvanized zamak, 1 polyurethane cap.	5	
	1243.721	Adjustable keeper in black galvanized zamak, 2 grub screws M5x12 and 1 screw TS M4x8 in stainless steel 304, preassembled.	5	
	3000.800	Locking piece (only for tilt and turn and semi-fixed casement), alternative to the upper bolt.	40	
	3010.820	Kit for vertical supplementary locking points in black galvanized zamak, 6 preassembled grub screws M5x12 in stainless steel 304	5	

Accessories for secondary leaf


	3020	(patented) Concealed hinges kit for RIBANTA INCANTO secondary casement in zamak and high resistance white galvanized steel.	5	
	3000.850/ .851/.852/ .853/.854 3000.896	Clamp bolt in black nylon and galvanized steel, stroke-end block in zamak, 1 pre-assembled grub screw M5x6 in stainless steel 304.	20	
	1243.830/8	Clamp-bolt in black galvanized zamak and stainless steel 430, 2 pre-assembled grub screws M5x6 in stainless steel 304.	20	
	1541/.1/.2 1541.6	(patented) Bolt (travel 20 mm) in black nylon and galvanized steel, stroke-end block in zamak.	50	
	1541.800 1541.801	Extension part in black nylon for art. 1541/.6 and art. 3000.850/.851/.852/.853/.854. Like 1541.800 but for 3000.852	50	

Item codes


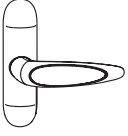

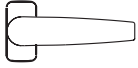
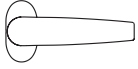
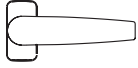
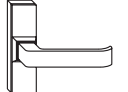

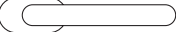
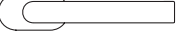

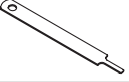

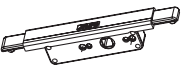
Accessories for secondary leaf

Drawing	Article	Description	Pcs.	Finishes
	1541.820	Punched extension rod in electrolytic black anodized alum. for 1541/.1/.2/.6.	50	
	1545/.1 1545.2/.3	Clamp bolt 31.5 cm for semi-fixed casement, third casement and secondary casement for tilt and turn (travel 22 mm), in black galvanized zamak, stainless steel 430 and nylon, 1 nylon stop block, 2 grub screws M5x6 in stainless steel, preassembled	50	
	3000.841	Lower bolt with keeper and support in stainless steel, nylon and black galvanized zamak, screws in stainless steel 304.	10	
	1468	Sash stop device in black galvanized zamak and nylon, 2 cap screws 4,2x19 in galvanized steel.	20	
	1404	Keeper in black galvanized zamak , wing nut and 1 preassembled countersunk head screw M5x10 in stainless steel 304.	100	
	1414	Adjustable keeper in black galvanized zamak, 1 preassembled grub screw M5x12 in stainless steel, 2 nylon cups.	200	
	1415	Double keeper in black galvanized zamak, 2 preassembled grub screws M 5x10 in galvanized steel.	100	
	1416.5	Like 1415 but with 1 preassembled grub screw M5x10 in galvanized steel.	100	
	1246.832	Hinge-side supplementary closing point in black galvanized zamak, 3 preassembled grub screws M5x12 and countersunk head screw M4x8 in stainless steel 304.	40	

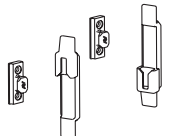

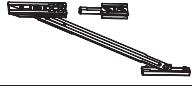

Handles and snap latches for tilt and turn

	873.1	(patented) Handle for tilt and turn in die-cast metal or brass, dist. between centres 84.5-98 mm, 2 screws socket head cap M5x14 in stainless steel 304 (C: packaging 50 pcs.).	5	C, BL10, B.SA, BR 4, OTT, 1013, 1015, 1247, 6002, 6005, 7032, 8017, 8019, 9001, 9005, 9006, 9010, 9016, 9660,
	873.2	(pat.) Like 873.1 but dist. between centres 92-104 mm (no finishes 1247 and 6005).	5	BR801, BW21, GR217, GR606, RD501, WT005, PVD X, PVD H
	873.753	(patented) Handle for tilt and turn in die-cast metal or brass, with safety cylinder (same keys), dist. between centres 84.5-98 mm, 2 socket head cap screws M5x14 in stainless steel 304.	5	BL10, B.SA, BW21, OTT, 1013, 1015, 6002, 7032, 8019, 9001, 9005, 9006,
	873.754	(pat.) Like 873.753 but dist. between centres 92-104 mm.	5	9010, 9016, 9660
	873.755	(patented) Handle for tilt and turn in die-cast metal, without grip handle (grip handle art.1243.599), dist. between centres 84.5-98 mm, 2 socket head cap screws M5x14 in stainless steel 304.	5	8019, 9005, 9010
	873.756	(pat.) Like 873.755 but dist. between centres 92-104 mm.	5	1013, 9005, 9010
	873.771	(patented) Left handle for tilt and turn tilt first manoeuvre in die-cast metal or brass, with safety cylinder (same keys), dist. between centres 84.5-98 mm, 2 socket head cap screws M5x14 in stainless steel 304. It permits the closing of the leaf (tilt position) also with locked cylinder.	5	BL10, OTT, 1013, 8019, 9001, 9005, 9010, 9016, 9660
	873.772	(pat.) Like 873.771 but right handle.	5	
	873.773	(patented) Left handle for tilt and turn tilt first manoeuvre in die-cast metal or brass, with safety cylinder (same keys), dist. between centres 92-104 mm, 2 socket head cap screws M5x14 in stainless steel 304. It permits the closing of the leaf (tilt position) also with locked cylinder.	5	BL10, OTT, 1013, 8019, 9001, 9005, 9010, 9016, 9660
	873.774	(pat.) Like 873.773 but right handle.	5	

Handles and snap latches for tilt and turn

Drawing	Article	Description	Pcs.	Finishes
	870.802	Stiffening snap for Eurogrooves profiles and NC International.	200	
	883.1	(pat.) GIOCONDA Handle for tilt and turn in die-cast metal, pinion rack in galvanized steel, dist. between centres 84,5-98 mm, 2 socket head cap screws M5x10 in stainless steel.	5	BL10, BR 4, 1013, 8019, 9001, 9005, 9006, 9010, BR801, GR217, GR606, RD501, WT005
	883.2	(pat.) Like 883.1 but with dist. Between centre 92-104 (also 1015).	5	
	880.701	(pat.) Lens in coloured techno-polymer to apply fixing it to the handle of art. 883.1/2	50	.74, .75, .78, .80, .82, .83, .85, .86, .90, .91
	874.1	(pat.) MANON snap latch with handle in nylon or brass, distance between centre of 43 mm, 8 mm square spindle and 2 cap screws M5x35 in galvanized steel (to combine with art. 1203/8)	5	OTT, .74, .75, .75/A, .78, .78/B
	874.2	(pat.) MANON snap latches with extractable handle made of die-cast aluminium and nylon base of the same colour of the handle, distance between centre 43 mm, 8 mm square spindle, 2 cap screw M5x30 and 1 key for handle removal made of galvanized steel (1 piece each box). To combine with 1200/8 -1203/8.	5	C, OTT, 1013, 9005, 9010
	874.21	(pat.) Like 874.2 OTT but with a projecting part of 44 mm and 2 cap screws M5x50 in galvanized steel.	5	OTT, 1013, 9010
	874.3	(pat.) MANON snap latches with extractable handle made of die-cast aluminium, distance between centre 43 mm, 8 mm square spindle with a projecting part of 24.5 mm and 2 cap screws M5x35 in galvanized steel (to combine with 1200/8, 1203/8)	5	C, B.SA, 1013, 8019, 9005, 9010, 9660, PVD H, PVD X
	874.4	(pat.) Like 874.3 but with a projecting part of 52 mm and 2 cap screws M5x60 in galvanized steel.	5	9005, 9010, PVD H
	1243.750	Handle in extruded aluminium, distance between centres 84,5-92-98-104 mm, 2 socket head crews M5x10 in stainless steel 304.	5	F, U, NE, ZE, 1013, 6005, 8017, 9001, 9005, 9010
	1243.599	Aluminium handle for art. 873.755/756	5	F, NE, 1013, 9010
	1606	GINEVRA stainless steel (AISI 304) snap latch, distance between centre 43 mm, square spindle 7 mm, 2 stainless steel countersunk head screw M5x45. To combine with art. 1200/7.	2	S, PVD H
	1607		2	S, PVD H
	1608		2	S, PVD H
	874.598	Key for handle removal of art. 874.2/.21 in galvanized steel, dimensions 10x1 mm.	50	
	874.805	Protection cap made of red nylon for art.874.2/21.	100	C, OTT, 1013, 9005, 9010
	1200/7	MONO Mono-directional movement mechanism, in black galvanized zamak, 7 or 8 mm square hole, nylon bushing Ø6-Ø8 mm. with 8 mm backset.	5	
	1200/8		5	
	1203/7, /8	Like 1200/7-/8 but with 16 mm backset	5	

Complementary accessories

	1246.835	Non-handed anti-burglar device for grooves 13,5x16,5 and 14x18, in black galvanized zamak, 2 countersunk head screws M5x18 in stainless steel 304 (self-forming), 2 nylon bushing Ø 6-Ø 8 mm.	40	
	1246.838	Like 1246.835 but for grooves 10x14,3, 12x15 and 12,5x16,5.	40	
	1243.704	Handle connection piece in black galvanized steel, 2 polyurethane caps.	10	
	1343.2	Damping-effect opening limiter arm stay in zamak, nylon, polyurethane and stainless steel 430, 2 grub screws M5x10 and 2 stainless steel grub screws M5x12, preassembled.	10	
	1490	BLOCAL (pat.) Lock with security cylinder (same keys) in metallized grey zamak, nylon and stainless steel 430, 2 cap screws M5x12 and 2 cap screws Ø 3,9x13 in stainless steel 304.	10	1013, 9005, 9006, 9010, 9660

FINISHING TABLE (*)

.74	black	6005	green RAL powder coated	F	anodized silver
.75	ivory	7032	pebble grey RAL powder coated	U	anodized light bronze
.75/A	ivory with ivory facing plate	8017	brown RAL powder coated	ZE	electrolytically anodized coffee colour
.78	white	8019	coffee RAL powder coated	NE	electrolytically anodized black colour
.78/B	white with white facing plate	9001	cream RAL powder coated	OTT	polished solid brass
.80	metallized grey	9005	black RAL powder coated	BR4	dark bronze powder coated
.82	pearl grey	9006	silver RAL liquid varnish	BR801	marbled brown
.83	metallized green	9010	white RAL powder coated	GR217	dark marble grey
.85	light blue	9010/B	white RAL powder coated with ivory facing plate	GR606	marbled green
.86	light green	9016	traffic white RAL powder coated	RD501	marbled red
.90	galvanized silver	9660	silver powder coated	WT005	gothic white
.91	galvanized gold	BL10	matte black powder coated	PVD H	bright gold pvd treated
1013	ivory RAL powder coated	B.SA	satin-finished white RAL powder	PVD X	satin steel pvd treated
1013/A	ivory RAL powder coated with ivory facing plate	BW21	ice white powder coated	S	satin finished stainless steel
1015	dark ivory RAL powder coated	C	mill finished	XSD	satin steel
6002	leaf green RAL powder coated	HL	bright gold		

(*) Only for handles and snap-latches

Suitability table for main italian profiles

EXTRUDER	PROFILES	3010./1./3./4	3011./1./3./4	3020	3000.850	3000.851	3000.852	3000.853	3000.854	3000.896	1243.830/8	1541	1541.1	1541.2	1541.6	1541.800	1541.801	1541.820	1545	1545.1	1545.2	1545.3	3000.841		
		ALEXIA	ESEDRA GA 53	•	•	•																			
	ESEDRA GA 53 raggianto	•	•	•																					
	ESEDRA TT 63	•	•	•																					
	ESEDRA TT 75	•	•	•																					
ALL.CO	EXPORT 40	•	•	•																					
	EXPORT 45	•	•	•																					
	EXPORT 45 raggianto	•	•	•																					
	EXPORT 45 TT	•	•	•																					
	EXPORT 45 TT raggianto	•	•	•																					
	EXPORT 50	•	•	•																					
	EXPORT 50 TT	•	•	•																					
	K 45T	•	•	•																					
ALUPEX	SYNTHESIS 45	•	•	•																					
	SYNTHESIS 57	•	•	•																					
	SYNTHESIS 60TT	•	•	•																					
	EURO KEEPER 46/53	•	•	•																					
	KEEPER 53/60	•	•	•																					
BODEGA	BGA 50	•	•	•																					
	BGA 50 Arrotondato	•	•	•																					
	BGA 50 raggianto	•	•	•																					
	BT 60 TT	•	•	•																					
EQUIPE	SERIE 8000	•	•	•																					
	SERIE 8000 raggianto	•	•	•																					
	SERIE 8000 TT	•	•	•																					
	SERIE 8000 TT raggianto	•	•	•																					
ETA	START 410	•	•	•																					
	START 410 raggianto	•	•	•																					
	START 470 TT	•	•	•																					
	START 470 TT raggianto	•	•	•																					
	START 510	•	•	•																					
	START 510 raggianto	•	•	•																					
	START 560 TT	•	•	•																					
	START 640 TT	•	•	•																					
START 760 TT	•	•	•																						
ETNALL	55 cool	•	•	•																					
	ET 45	•	•	•																					
	ET 70 TT	•	•	•																					

EXTRUDER	PROFILES	3010./1./3./4	3011./1./3./4	3020	3000.850	3000.851	3000.852	3000.853	3000.854	3000.896	1243.830/8	1541	1541.1	1541.2	1541.6	1541.800	1541.801	1541.820	1545	1545.1	1545.2	1545.3	3000.841
FINAL	EXPORT 45	•	•	•					•		•				•	•	•	•			•		•
	EXPORT 45 raggiato	•	•	•					•		•				•	•	•	•			•		•
	EXPORT 45 T	•	•	•					•		•				•	•	•	•			•		•
	EXPORT 45 T raggiato	•	•	•					•		•				•	•	•	•			•		•
	EXPORT 50	•	•	•					•		•				•	•	•	•			•		•
	EXPORT 50 T	•	•	•					•		•				•	•	•	•			•		•
HYDRO	BREAK PA 52	•	•	•		•					•				•	•	•	•			•		•
	BREAK PA 52 raggiato	•	•	•		•					•				•	•	•	•			•		•
	BREAK PA 62	•	•	•		•					•				•	•	•	•			•		•
	BREAK PA 63	•	•	•		•					•				•	•	•	•			•		•
	BREAK PA 70	•	•	•		•					•				•	•	•	•			•		•
	BREAK PA 70 S	•	•	•		•					•				•	•	•	•			•		•
	DOMAL BRIGHT PA 70 S	•	•	•		•					•				•	•	•	•			•		•
	DOMAL BRIGHT PA 70 S raggiato	•	•	•		•					•				•	•	•	•			•		•
	DOMAL STOPPER PG 63	•	•	•		•					•				•	•	•	•			•		•
	STOPPER PG	•	•	•		•					•				•	•	•	•			•		•
	STOPPER PG raggiato	•	•	•		•					•				•	•	•	•			•		•
	STOPPER PG STYLE	•	•	•		•					•				•	•	•	•			•		•
IND.INVEST	GOLD 400	•	•	•					•		•				•	•	•	•				•	•
	GOLD 400 raggiato	•	•	•					•		•				•	•	•	•				•	•
	GOLD 450	•	•	•					•		•				•	•	•	•				•	•
	GOLD 450 TT	•	•	•					•		•				•	•	•	•				•	•
	GOLD 490	•	•	•					•		•				•	•	•	•				•	•
	GOLD 500	•	•	•					•		•				•	•	•	•				•	•
	GOLD 500 raggiato	•	•	•					•		•				•	•	•	•				•	•
GOLD 600	•	•	•					•		•				•	•	•	•				•	•	
MEXALL	MX 50	•	•	•	•						•	•			•	•	•	•			•		•
	MX 70 TT	•	•	•	•						•	•			•	•	•	•			•		•
METRA	METRALTECH	•	•	•				•			•		•		•	•	•	•				•	•
	NC 45 INT.	•	•	•				•			•		•		•	•	•	•		•			•
	NC 45 INT. raggiato	•	•	•				•			•		•		•	•	•	•		•			•
	NC 45 STH	•	•	•				•			•		•		•	•	•	•					•
	NC 50 I	•	•	•					•		•				•	•	•	•					•
	NC 50 STH	•	•	•					•		•				•	•	•	•					•
	NC 50 I raggiato	•	•	•					•		•				•	•	•	•					•
	NC 55 INT	•	•	•				•			•		•		•	•	•	•					•
	NC 65 STH	•	•	•					•		•				•	•	•	•					•
	NC 68 STH	•	•	•				•			•		•		•	•	•	•					•
	NC 68 STH.S	•	•	•					•		•				•	•	•	•					•
	NC 72 STH	•	•	•					•		•				•	•	•	•					•
SUPERBLINDO	•	•	•				•			•			•		•	•	•					•	
MORELLI	MA 2000 TT	•	•	•					•		•				•	•	•	•				•	•
	MA 2000 TT raggiato	•	•	•					•		•				•	•	•	•				•	•
OCMA	SV 39	•	•	•	•						•			•		•	•	•				•	•
	SV 39/47 raggiato	•	•	•	•						•			•		•	•	•				•	•
	SV 47/55	•	•	•	•						•			•		•	•	•				•	•
	SV TT55	•	•	•	•						•			•		•	•	•				•	•
	SV TT70	•	•	•	•						•			•		•	•	•				•	•
SV TT74	•	•	•	•						•			•		•	•	•				•	•	
PASSERINI	MAASTRICHT 53	•	•	•	•						•				•	•	•	•				•	•
	MAASTRICHT LIGHT	•	•	•					•		•				•	•	•	•				•	•
	MAASTRICHT TH 60	•	•	•					•		•				•	•	•	•				•	•
	MAASTRICHT TH 68	•	•	•				•			•				•	•	•	•				•	•
	VENICE TH16	•	•	•	•						•				•	•	•	•			•		•

EXTRUDER	PROFILES	3010/1/3/4	3011/1/3/4	3020	3000.850	3000.851	3000.852	3000.853	3000.854	3000.896	1243.830/8	1541	1541.1	1541.2	1541.6	1541.800	1541.801	1541.820	1545	1545.1	1545.2	1545.3	3000.841
PONZIO SUD	WINDSTOP 45	•	•	•					•		•				•	•		•			•		•
	WINDSTOP 45 raggiato	•	•	•					•		•				•	•		•			•		•
	WINDSTOP 45 TT	•	•	•					•		•				•	•		•			•		•
	WINDSTOP 45 TT CLASSIC	•	•	•					•		•				•	•		•			•		•
	WINDSTOP 45 TT CLASSIC raggiato	•	•	•					•		•				•	•		•			•		•
	WINDSTOP 45 TT raggiato	•	•	•					•		•				•	•		•			•		•
	WINDSTOP 55 TT	•	•	•					•		•				•	•		•			•		•
	WINDSTOP 55 TT CLASSIC	•	•	•					•		•				•	•		•			•		•
	WINDSTOP 55 TT CLASSIC raggiato	•	•	•					•		•				•	•		•			•		•
	WINDSTOP 55 TT raggiato	•	•	•					•		•				•	•		•			•		•
	WINDSTOP 65 TT	•	•	•					•		•				•	•		•			•		•
	WINDSTOP 65 TT CLASSIC	•	•	•					•		•				•	•		•			•		•
	WINDSTOP 65 TT CLASSIC raggiato	•	•	•					•		•				•	•		•			•		•
	WINDSTOP 65 TT raggiato	•	•	•					•		•				•	•		•			•		•
PROFILATI	EKU 40	•	•	•					•		•				•	•		•			•		•
	EKU 40 raggiato	•	•	•					•		•				•	•		•			•		•
	EKU 53	•	•	•					•		•				•	•		•			•		•
	EKU 53 raggiato	•	•	•					•		•				•	•		•			•		•
	EKU 53 TT	•	•	•					•		•				•	•		•			•		•
	EKU 53 TT raggiato	•	•	•					•		•				•	•		•			•		•
	EKU 64 TT	•	•	•					•		•				•	•		•			•		•
	EKU 72 TT	•	•	•					•		•				•	•		•			•		•
	EKU COMPACT	•	•	•					•		•				•	•		•			•		•

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Bolt and keepers coupling

Pcs.	Description	Bolts Item code	Keepers			
			1404	1414	1415	1416.5
20	Clamp-bolt	3000.850	●	●	●	●
20	Clamp-bolt	3000.851	●	●	●	●
20	Clamp-bolt	3000.852	●	●	●	●
20	Clamp-bolt	3000.853	●	●	●	●
20	Clamp-bolt	3000.854	●	●	●	●
20	Clamp-bolt	3000.896	●	●	●	●
20	Clamp-bolt	1243.830/8	●	●	●	●
50	CHIUDO clamp-bolt	1541	●		●	●
50	CHIUDO clamp-bolt	1541.1	●		●	●
50	CHIUDO clamp-bolt	1541.2	●		●	●
50	CHIUDO clamp-bolt	1541.6	●		●	●
20	SERRO clamp-bolt	1545	●	●	●	●
20	SERRO clamp-bolt	1545.1	●	●	●	●
20	SERRO clamp-bolt	1545.2	●	●	●	●
20	SERRO clamp-bolt	1545.3	●	●	●	●
10	Lower bolt with keeper	3000.841				
20	Sash stop device	1468				

Bolts and basic kit coupling

Pcs.	Description	Basic kit Item code	Bolts					
			3000.850/.851/.852 3000.853/.854/.896	3000.841	1243.830/8	1545/.1/.2/.3	1541/.1/.2/.6	1468
5	RH basic kit with standard arm - traditional manoeuvre Corner transmission fulcrum	3010	●	●*	●	●	●	●
5	LH basic kit with standard arm - traditional manoeuvre Corner transmission fulcrum	3010.1	●	●*	●	●	●	●
5	RH basic kit with short arm - traditional manoeuvre Corner transmission fulcrum	3010.3	●	●*	●	●	●	●
5	LH basic kit with short arm - traditional manoeuvre Corner transmission fulcrum	3010.4	●	●*	●	●	●	●
5	RH basic kit with standard arm - tilt first manoeuvre Corner transmission fulcrum	3011	●	●*	●	●	●	●
5	LH basic kit with standard arm - tilt first manoeuvre Corner transmission fulcrum	3011.1	●	●*	●	●	●	●
5	RH basic kit with short arm - tilt first manoeuvre Corner transmission fulcrum	3011.3	●	●*	●	●	●	●
5	LH basic kit with short arm - tilt first manoeuvre Corner transmission fulcrum	3011.4	●	●*	●	●	●	●

* = to combine to the locking piece art. 3000.800 or to the bolts art. 3000.850/.851/.852/.853/.854/.896 - 1243.830/8 - 1541/.1/.2/.6 - 1545/.1/.2/.3.

For profiles suitability, please see pages 16, 17 and 18.

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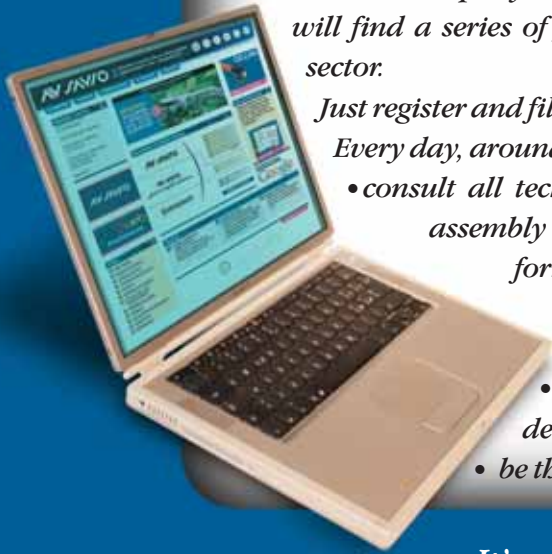
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