

RIBANITA 4



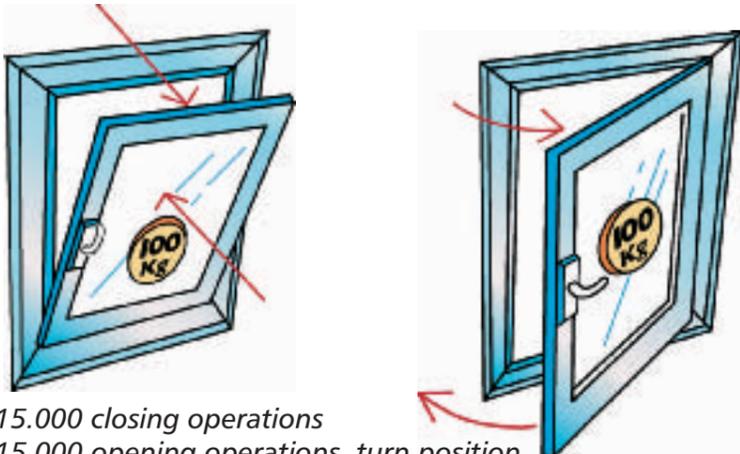
WITH NEW HINGES

Suitable for
EURO GROOVE and
NC INTERNATIONAL profiles

RAL TESTS FOR RIBANTA 4

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:

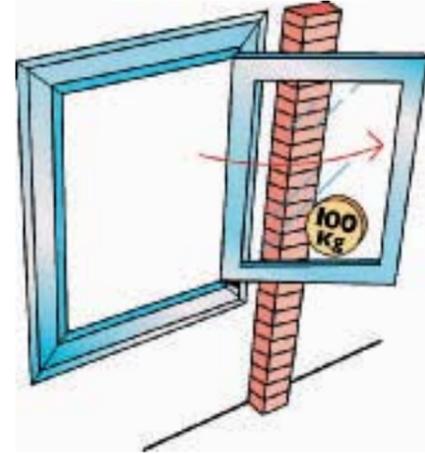
1. Endurance test



15.000 closing operations
 15.000 opening operations, turn position
 15.000 opening operations, tilt position
 15.000 closing operations
TOTAL:
 60.000 mouvements

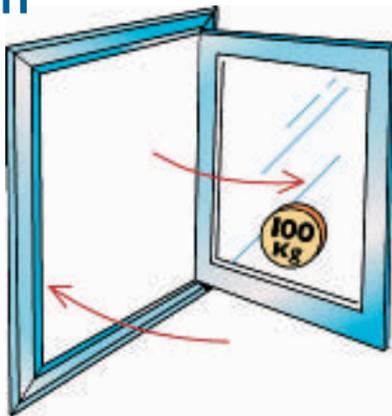
4. Post simulation test

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



2. 90° rotation

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



5. Test with obstacle in the rabbet

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



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.

RAL CERTIFICATE



At the end of the tests, RIBANTA 4 fully met the requirements of the RAL tests, with no alteration to its performances.



RIBANTA 4: THE 4 MAIN PERFORMANCES THAT MAKES RIBANTA 4 EXTREMELY COMPETITIVE

QUICKER

Machining time reduced of 25% because:

- the number of elements has been optimized
- it doesn't need machining (for basic weight)
- main components are pre-assembled
- its peculiar elements' shape facilitate their fitting into profile groove.

SMOOTHER

Manoeuvring movements are smoother because:

- the shape of its sliding elements has been designed to minimize frictioning
- the locking pieces have a specific shape to avoid mishandling and mechanism damages
- the vibration-damping elements are made of self-lubricating material.

STRONGER

It is extremely strong:

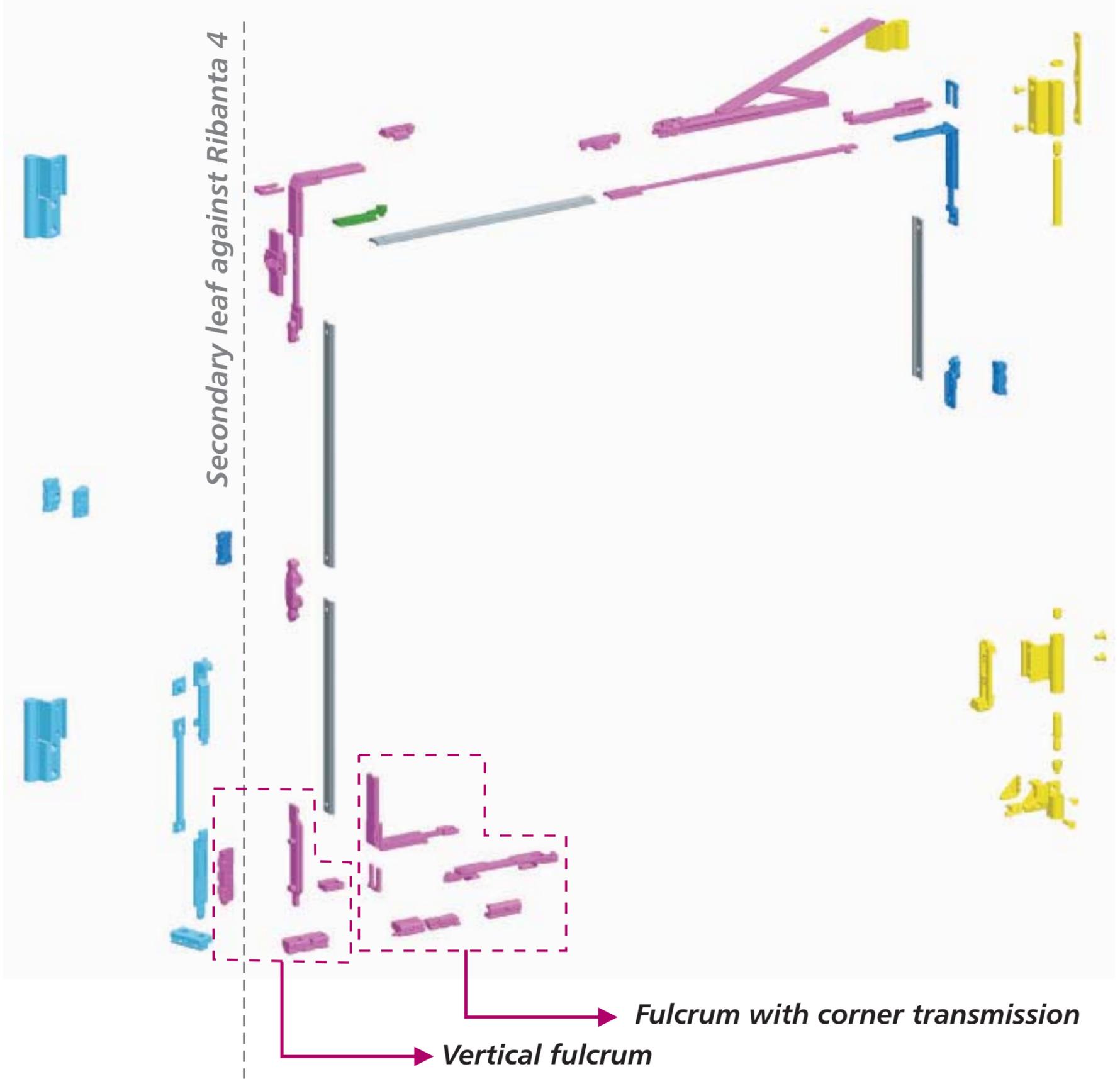
- size of all parts are greater than necessary in order to maintain the specified performances and they are made of the most high-performing materials
- has successfully passed all the highest level straining tests foreseen for possible window size
- RIBANTA 4 has obtained, first of all in Italy, RAL F 100-5 acknowledgement.

FULLY ADJUSTABLE

A greater degree of adjustment:

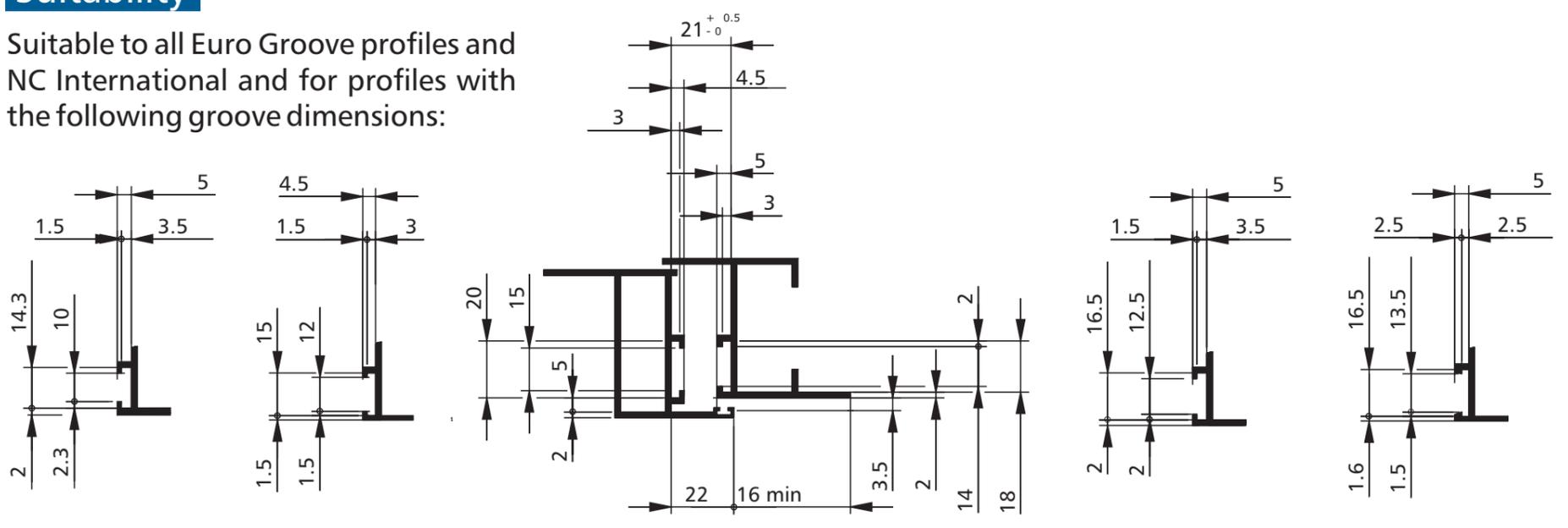
- pull-in pressure: through the adjustable keepers and the eccentric pin on the arm
- hinge side clearance: through the 3-position self-lubricating bearing
- leaf set up: through lower hinge vertical adjustment and through arm frontal adjustment.

Traditional manoeuvre

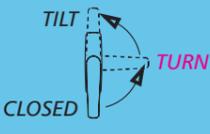


Suitability

Suitable to all Euro Groove profiles and NC International and for profiles with the following groove dimensions:



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

Pcs.	Description		Traditional manoeuvre	One casement tilt and turn						Tilt and turn + semi-fixed casement							
				H		700		1401		1401		700		1401		1401	
				1400	2800	1400	2800	1400	2800	1400	2800	1400	2800	1400	2800	1400	2800
L		350		495		1201		1401		400		546		1201			
		494		1200		1400		1500		545		1200		1400			
5	Basic kit with standard arm - Vertical fulcrum		3000.4			1	1					1	1				
5	Basic kit with short arm - Vertical fulcrum		3000.5	1	1					1	1						
5	Basic kit with standard arm - Corner transmission fulcrum		3000.6			1	1	1	1	1				1	1		
5	Basic kit with short arm - Corner transmission fulcrum		3000.7	1	1												
5	Supplementary arm		3100.800					1	1	1				1	1		
5	NEW kit of RH hinges		3000.731														
5	NEW kit of RH hinges for internally flush profiles		3000.733														
5	NEW non-handed hinges kit		3000.739														
5	NEW non-handed hinges kit for internally flush profiles		3000.740														
5	NEW LH transformation hinge pivot		3000.742														
1	Positioning jig for art. 3000.6/.7		3100.950	1	1	1	1	1	1					1	1		
1	Positioning jig for art. 3000.4/.5		3100.951	1	1	1	1			1	1	1	1				
40	Locking piece		3000.800							1	1	1	1				
5	Kit for 6 locking points		3000.820		1		1		1	1		1		1	1		
50	MORSA+ hinges for semi-fixed casement		1121/.1							2	2	2	2	2	2		
40	Locking piece		3100.821						1						1		
40	Adjustable keeper		1243.721						2						2		
40	Supplementary locking point hinges side (H>1400 mm)		1246.832								1		1		1		

For what concern **Logical manoeuvre**, only change the following codes:

Pcs.	Description		Logical manoeuvre	One casement tilt and turn						Tilt and turn + semi-fixed casement							
				H		700		1401		1401		700		1401		1401	
				1400	2800	1400	2800	1400	2800	1400	2800	1400	2800	1400	2800	1400	2800
L		350		495		1201		1401		400		546		1201			
		494		1200		1400		1500		545		1200		1400			
5	Basic kit with standard arm - Lateral fulcrum		3001			1	1					1	1				
5	Basic kit with short arm - Lateral fulcrum		3001.1	1	1					1	1						
5	Basic kit with standard arm - Corner transmission fulcrum		3001.6			1	1	1	1	1				1	1		
5	Basic kit with short arm - Corner transmission fulcrum		3001.7	1	1												
5	Supplementary arm		3101.800					1	1	1				1	1		
5	NEW LH transformation kit		3000.732														
1	Positioning jig for art. 3001/.1		3001.950	1	1	1	1				1						
1	Positioning jig for art. 3001.6/.7		3100.950	1	1	1	1	1	1	1				1	1		

For the complete range of **CREMONE BOLTS** and **SNAP LATCHES**, see the table in the last pages.

For **BOLTS** and **KEEPERS**, see the tables in the following page.

Bolts and keepers

Pcs.	Description	Article code	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	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					

Pcs.	Description	Article code	3000.850/.851/.852 3000.853/.854	3000.841	1243.830/8	1545/.1/.2/.3	1541/.1/.2/.6	1468
5	Basic kit with standard arm - Traditional manoeuvre - Vertical fulcrum	3000.4	●	●*	●*	●		●*
5	Basic kit with short arm - Traditional manoeuvre - Vertical fulcrum	3000.5	●	●*	●*	●		●*
5	Basic kit with standard arm - Logical manoeuvre - Lateral fulcrum	3001	●	●*	●*	●		●*
5	Basic kit with short arm - Logical manoeuvre - Lateral fulcrum	3001.1	●	●*	●*	●		●*
5	Basic kit with standard arm - Traditional manoeuvre - Corner transmission fulcrum	3000.6	●	●*	●	●	●	●*
5	Basic kit with short arm - Traditional manoeuvre - Corner transmission fulcrum	3000.7	●	●*	●	●	●	●*
5	Basic kit with standard arm - Logical manoeuvre - Corner transmission fulcrum	3001.6	●	●*	●	●	●	●
5	Basic kit with short arm - Logical manoeuvre - Corner transmission fulcrum	3001.7	●	●*	●	●	●	●

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

Application fields

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

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

Casement max. weight 100 Kg

2800	●	44	32	26	22	18	16	14	13	11	10	9	9	
2700	●	46	34	27	23	19	17	15	13	12	11	10	9	
2600	●	48	36	28	24	20	17	15	14	12	11	10	10	
2500	●	●	37	30	25	21	18	16	14	13	12	11	10	
2400	●	●	39	31	26	22	19	17	15	14	12	11	10	
2300	●	●	41	33	27	23	20	18	16	14	13	12	11	
2200	●	●	43	34	28	24	21	19	17	15	14	13	12	
2100	●	●	46	36	30	26	22	20	18	16	14	13	12	
2000	●	●	48	38	32	27	24	21	19	17	15	14	13	
1900	●	●	●	41	34	29	25	22	20	18	16	15	14	
1800	●	●	●	43	36	31	27	23	21	19	17	16	14	
1700	●	●	●	46	38	33	28	25	22	20	18	16	14	
1600	●	●	●	49	41	35	30	27	24	22	19	16	14	
1500	●	●	●	●	44	38	33	29	26	23	20	16	14	
1400	●	●	●	●	48	41	35	31	28	23	20	16	14	
1300	●	●	●	●	●	44	38	34	29	24	20	16	14	
1200	●	●	●	●	●	48	42	36	29	24	20	17	13	
1100	●	●	●	●	●	●	45	36	29	24	20	15	11	
1000	●	●	●	●	●	●	46	36	29	24	17	12	8	
900	●	●	●	●	●	●	46	36	28	19	13	8	4	
800	●	●	●	●	●	●	47	34	22	14	8	3	X	
700	●	●	●	●	●	●	42	25	14	6	X	X	X	
		350	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500

Casement max. weight 70 Kg (for internally flush profiles)

2800	35	29	22	17	14	12	10	9	8	7	7	6	6
2700	37	31	23	18	15	13	11	10	9	8	7	6	6
2600	39	32	24	19	16	13	11	10	9	8	7	7	6
2500	40	34	25	20	16	14	12	11	9	8	8	7	6
2400	42	35	26	21	17	15	13	11	10	9	8	7	7
2300	45	37	29	22	18	15	13	12	10	9	8	8	7
2200	47	39	29	23	19	16	14	12	11	10	9	8	8
2100	●	41	31	24	20	17	15	13	12	10	9	9	8
2000	●	44	32	26	21	18	16	14	12	11	10	9	8
1900	●	46	34	27	23	19	17	15	13	12	11	10	9
1800	●	49	37	29	24	20	18	16	14	13	11	10	10
1700	●	●	39	31	26	22	19	17	15	13	12	11	10
1600	●	●	42	33	28	23	20	18	16	14	13	12	11
1500	●	●	45	36	30	25	22	19	17	16	14	13	12
1400	●	●	49	39	32	27	24	21	19	17	15	14	13
1300	●	●	●	42	35	30	26	23	20	18	17	15	14
1200	●	●	●	47	38	33	28	25	22	20	18	17	13
1100	●	●	●	●	43	36	32	28	25	22	20	15	11
1000	●	●	●	●	48	41	35	31	28	24	17	12	8
900	●	●	●	●	●	46	40	35	28	19	13	8	4
800	●	●	●	●	●	●	46	34	22	14	8	3	X
700	●	●	●	●	●	●	41	25	14	6	X	X	X
	350	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500

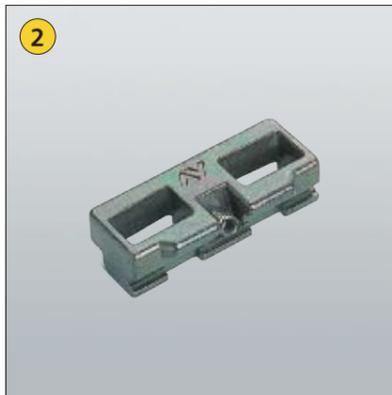
Basic kits suitability with the new hinges kits

<p>Art. 3000.731/.733</p> 	<p>To use with art.:</p> <p>3000.4 3000.5 3000.6 3000.7 3001 3001.1 3001.6 3001.7</p>	<p>Art. 3000.732</p> 	<p>To use with art.:</p> <p>3001 3001.1</p>
<p>Art. 3000.739/.740</p> 	<p>To use with art.:</p> <p>3000.4 3000.5 3000.6 3000.7 3001.6 3001.7</p>	<p>Art. 3000.742</p> 	<p>To use with art.:</p> <p>3000.4 3000.5 3000.6 3000.7 3001.6 3001.7</p>

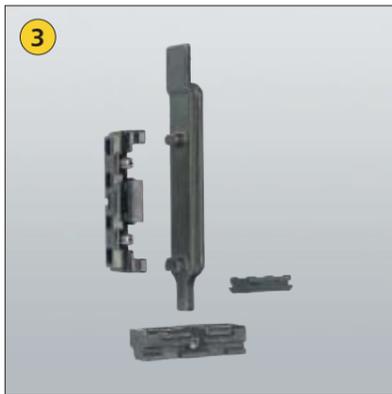
3000.731 - 3000.732 - 3000.739 - 3000.742 : Carrying capacity 100 Kg.
3000.733 - 3000.740 : Carrying capacity 70 Kg.



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



1 Adjustable keepers:
they allow a micrometric and quick pull-in pressure adjustment, increasing window tightness.



MORSA hinges:
the design of RIBANTA 4 hinges match perfectly to MORSA hinges when you have tilt and turn with secondary casement windows.



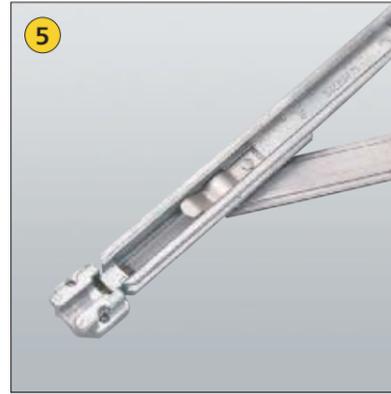
2 New Adjustable keeper:
it guides the tilt opening, eliminating slacks.

3 Vertical fulcrum:
the same safety of the horizontal version, but with more fastness in the fitting with the new vertical fulcrum.

Anti-slam device in tilt position:
hold open device in stainless steel, for a perfect casement stability in open position.

5 Stainless steel arm (AISI 304 - austenitic, that is not magnetic):
on the stainless steel arm there's a 8-position locking piece for a better adjustment of pull-in pressure.

6 Self-positioning hinges:
they don't need any measurement for its positioning.



6 Stainless steel counterplates:
the only one with counterplates in stainless steel, both of the upper and lower hinges, grant more strength and long lasting.



7 Pin with strong fixing device:
the new pin stop device grants the maximum quickness and clamping strength.



8 Larger pivot:
it gives a hinge better stability also with a maximum charge.

8 Better clearance adjustment:
the 3-position self-lubricating bearing (central; +0.5; -0.5), allows to recover possible cutting mistake and profile tolerances.

Possibility of exclusion of the upper bolt for windows with secondary casement:
the only solution actually present on the market, that reduces costs and machining time.



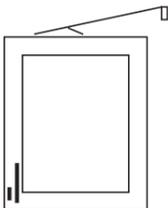
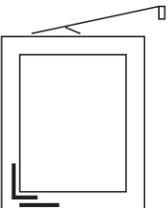
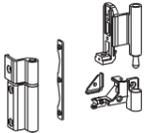
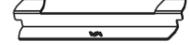
Availability of 6° closing point also in case of narrow windows:
it allows an increasing of safety and window performances.

Vertical adjustment:
it is possible to adjust vertically the casement, recovering eventual frame out of square.

4 Horizontal fulcrum:
ensure smoother operation and maximum safety when the window is open with the hopper.

Lower hinge counterplates:
the stainless steel counterplate links the hinge both on the vertical and horizontal profile.

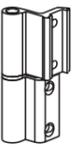
Basic kits (for 4 closing points)

	Art.	Description	Pcs.	Finishes
	3000.4	(pat.) 4-point locking device for traditional manoeuvre, vertical fulcrum . Basic kit with standard arm in stainless steel 304, corner transmission and locking points in black galvanized zamak, 7 nylon bushings Ø 6-Ø 8 mm, screws in stainless steel 304.	5	
	3000.5	(pat.) Like 3000.4 but with short arm (5 nylon bushings).	5	
	3001	(pat.) Like 3000.4 but for logical manoeuvre and with vertical lateral fulcrum .	5	
	3001.1	(pat.) Like 3000.5 but for logical manoeuvre and with vertical lateral fulcrum .	5	
	3000.6	(pat.) 4-point locking device for trad. manoeuvre, corner transmission fulcrum . Basic kit with std. arm in stainless steel 304, corner transmission and locking points in black galvanized zamak, 8 nylon bushings Ø 6-Ø 8 mm, screws in stainless steel 304.	5	
	3000.7	(pat.) Like 3000.6 but with short arm (6 nylon bushings).	5	
	3001.6	(pat.) Like 3000.6 but for logical manoeuvre .	5	
	3001.7	(pat.) Like 3000.7 but for logical manoeuvre .	5	
	3100.800	Supplementary arm in stainless steel for traditional manoeuvre , zamak and nylon, 2 self-tapping countersunk head screws Ø 4,2x13 in galvanized steel.	5	
	3101.800	Like 3000.800 but for logical manoeuvre .	5	
	3000.731	(pat.) Kit of RH hinges in zamak and alu., 1 c'sk hd screw M5x8, 4 c'sk oval hd screws M5x10, 1 c'sk hd screw M5x16 and 1 c'sk hd screw Ø 3,9x13 in stainless steel 304.	5	
	3000.733	(pat.) Like 3000.731 but for internally flush profiles. Carrying capacity: 70 Kg.	5	BR4, C, HL, 1013, 1015, 8019, 9001, 9005, 9006, 9010, 9660, BL10, BR801, GR217, GR606
	3000.732	(pat.) Transformation kit in zamak for art. 3001/.1 LH version (finish 9660 not available).	5	
	3000.739	NON-handed hinge Kit for RIBANTA 4 (finish 1015 not available).	5	BR4, C, HL, 1013, 1015, 8019, 9001, 9005, 9006, 9010, 9016, 9660, BL10, B.SA, BW21, BR801, GR217, GR606, RD501, WT005, PVD X, PVD H
	3000.740	Like 3000.739 but for internally flush profiles. Carrying capacity: 70 Kg. (finishes 9016, B.SA, BW21, C not available).	5	
	3000.742	LH transformation hinge pivot for tilt and turn, for art. 3000.4/.5/.6/.7 and 3000.1.6/.7.	5	BR4, C, HL, 1013, 1015, 8019, 9001, 9005, 9006, 9010, 9660, BL10, BR801, GR217, GR606
	3100.950	Accessories positioning jig on fixed frame for art. 3000.6/.7 and 3001.6/.7.	1	
	3100.951	Accessories positioning jig on fixed frame for art. 3000.4/.5.	1	
	3001.950	Accessories positioning jig on fixed frame for art. 3001/.1.	1	

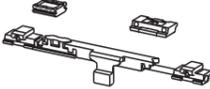
Supplementary locking points

	3100.821	Locking piece in black galvanized zamak, 1 cap and 1 nylon bushing Ø 6-Ø 8 mm.	40	
	1243.721	Adjustable keeper in black galvanized zamak, 2 preassembled grub screws M5x12 and 1 countersunk head screw M4x8 in stainless steel 304.	40	
	3000.800	Locking piece (only for tilt and turn + semi-fixed casement), alternative to the upper bolt.	40	
	3000.820	Kit for vertical supplementary locking points in black galvanized zamak, 2 nylon bushings Ø 6-Ø 8 mm, screws in stainless steel 304.	5	

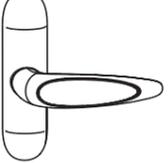
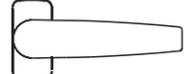
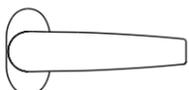
Accessories for secondary casement

	1121/.1	(pat.) MORSA+ Two-wing aluminium hinge, nylon bushing, pin, counterplates and 4 preassembled countersunk oval head screws M5x10 in stainless steel 430. Carrying capacity: 2 hinges 80 Kg, 3 hinges 90 Kg. Renewed version with new indented counterplate (PVD H, PVD X, XSD: packaging 20 pcs.).	50	C, F, U, NE, BL10, ZE, HL, 1013, 1015, 6002, 6005, 8017, 8019, 9001, 9005, 9010, B.SA, 9016, 9660, BR801, BW21, GR217, GR606, RD501, WT005, PVD H, PVD X, XSD
	1123	(pat.) Like 1121/.1 but for for third casement (shaped profiles) (PVD H, PVD X, XSD: packaging 20 pcs.).	50	C, F, U, NE, BL10, ZE, HL, 1013, 7032, 6005, 8017, 8019, 9001, 9005, 9010, 9016, 9660, BR801, BW21, GR217, GR606, RD501, WT005, PVD H, PVD X, XSD
	3000.850 ÷ 3000.854	Clamp bolt in black nylon and galvanized steel, stroke-end block in zamak, 1 preassembled grub screw M5x6 in stainless steel 304.	20	
	1243.830/8	Clamp-bolt in black galvanized zamak and stainless steel 430, 2 preassembled grub screws M5x6 in stainless steel 304.	20	
	1541/.1/.2/.6	(pat.) CHIUDO Bolt (travel 20 mm) in black nylon and galvanized steel, stroke-end block in zamak.	50	

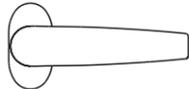
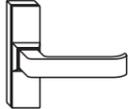
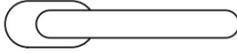
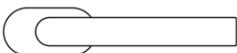
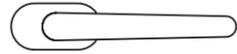
Accessories for secondary casement

	Art.	Description	Pcs.	Finishes
	1541.820	Punched extension rod in electrolytic black anodized alum. for 1541/.1/.2/.6..	50	
	1541.800/ .801	Extension part in black nylon for art. 1541/.1/.2/.6 and 3000.850/.851/.852/.853/.854.	50	
	1545/.1/ .2/.3	SERRO Clamp bolt 31.5 cm for semi-fixed casement, third casement and secondary casement (travel 22 mm) in black galvanized zamak, stainless steel 430 and nylon, 1 nylon stop block, 2 preassembled grub screws M5x6 in stainless steel.	20	
	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 and 1 preassembled grub screw M5x10 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 M5x10 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 1 countersunk head screw M4x8 in stainless steel 304.	40	

Cremones bolts and snap latches for tilt and turn

	873.1	(pat.) MANON 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, OTT, 1013, 1015, 6002, 7032, 8019, 9001, 9005, 9006, 9010, 9016, 9660, BL10, B.SA, BR4, BR801, BW21, GR217, GR606, RD501, WT005, PVD X, PVDH
	873.2	(pat.) Like 873.1 but with dist. between centres 92-104 mm.	5	
	873.753	(pat.) MANON 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	OTT, 1013, 1015, 6002, 7032, 8019, 9001, 9005, 9006, 9010, 9016, 9660, BL10, B.SA, BW21
	873.754	(pat.) Like 873.753 but with dist. between centres 92-104 mm.	5	
	873.755	(pat.) MANON Handle for tilt and turn in die-cast metal, without handle (handle-grip art.1243.599), dist. between centres 84.5-98 mm, 2 socket head cap screws M5x14 in stainless steel 304..	5	9005
	873.756	(pat.) Like 873.755 but with dist. between centres 92-104 mm.	5	
	873.771	(pat.) MANON Left handle for tilt and turn logical 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 from tilt position also with blocked cylinder).	5	
	873.772	(pat.) Like 873.771 but right version.	5	OTT, 1013, 8019, 9001, 9005, 9010, 9016, 9660, BL10
	873.773	(pat.) MANON Left handle for tilt and turn logical 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 from tilt position also with blocked cylinder).	5	
	873.774	(pat.) Like 873.773 but right version.	5	
	870.802	Stiffening snap for Eurogrooves profiles and NC International.	200	
	883.1	(pat.) GIOCONDA Cremone bolt for tilt and turn in die-cast metal, pinion and rack in galvanized steel, dist. between centres 84,5-98 mm, 2 socket head cap screws M5x10 in stainless steel.	5	BR 4, 1013, 8019, 9001, 9005, 9006, 9010, BL10, BR801, GR217, GR606, RD501, WT005
	883.2	(pat.) Like 883.1 but with dist. between centres 92-104 mm.	5	BR 4, 1013, 1015, 8019, 9001, 9005, 9006, 9010, BL10, BR801, GR217, GR606, RD501, WT005
	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	(patented) MANON snap latch with handle in die-cast metal, in nylon or in brass, distance between centres of 43 mm, 8 mm square spindle and 2 cap screws M5x35 in galvanized steel (to combine with art. 1200/8).	5	OTT, 1013/A, 9005, 9010/B, .74, .75, .75/A, .78, .78/B
	874.2	(patented) MANON snap latch with extractable handle made of die-cast aluminium and nylon base of the same colour of the handle, distance between centre of 43 mm, 8 mm square spindle, 2 cap screws M5x30 and 1 key for handle removal made of galvanized steel; dimension 10x1 mm (1 piece each box). To combine with 1200/8.	5	C, OTT, 1013, 9005, 9010

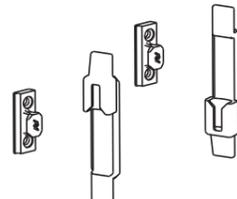
Cremones bolts and snap latches for tilt and turn

	Art.	Description	Pcs.	Finishes
	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
	1243.750	Extruded aluminium handle for RIBANTATRE, distance between centres 84.5-92-98-104 mm, 2 socket head cap screws M5x10 in stainless steel 304.	5	F, U, NE, ZE, 1013, 9010
	1243.599	Aluminium handle for art. 873.755/.756.	5	NE
	1606	GINEVRA Stainless steel (AISI 304) snap latch, distance between centres 43 mm, square spindle 7 mm, 2 stainless steel countersunk head screws M5x45. It can be combined with mouvement mechanism MONO (art. 1200/7).	2	S, PVD H
	1607	GINEVRA Stainless steel (AISI 304) snap latch, distance between centres 43 mm, square spindle 7 mm, 2 stainless steel countersunk head screws M5x45. It can be combined with mouvement mechanism MONO (art. 1200/7).	2	S, PVD H
	1608	GINEVRA Stainless steel (AISI 304) snap latch, distance between centres 43 mm, square spindle 7 mm, 2 stainless steel countersunk head screws M5x45. It can be combined with mouvement mechanisms MONO (art. 1200/7).	2	S, PVD H

Accessories for cremone bolts and snap latches

	874.598	Key for handle removal of art. 874.2/.21 made of galvanized steel, dimensions 10x1 mm.	50	
	874.805	Protection cap made of red nylon for art. 874.2/.21.	100	
	1200/7 - /8	MONO Mono-directional movement mechanism with 8 mm backset, in black galvanized zamak, 7 or 8 mm square hole, nylon bushings Ø 6-Ø 8 mm.	5	
	1203/8	Like 1200/8 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 bushings Ø 6-Ø 8 mm.	40	
	1246.838	Like 1246.835 but for grooves 10x14,3, 12x15 and 12,5x16,5.	40	
	1243.704	Cremone bolt connection piece in black galvanized zamak, 2 polyurethane caps.	10	
	1343.2	Damping-effect opening limiter arm stay in zamak, nylon, polyurethane and stainless steel 304, 2 grub screws M5x8 in galvanized steel and 2 grub screws M5x12 in stainless steel 304.	10	
	1490	BLOCAL Lock with security cylinder (same keys) in zamak, nylon and stainless steel 430, 2 cap screws M5x12 and 2 cap screws Ø3.9x13 in stainless steel 304.	10	1013, 9005, 9006, 9010, 9660
	8300.15	Automatic punching machine and tilt and turn rod cutting, with bad plate, for Euro-grooves profiles and NC International.	1	
	8300.16	Automatic punching machine and tilt and turn rod cutting, for Euro-grooves profiles and NC International, R 40, R 50 TT "barra continua" and New Tec.	1	

Key to finishes

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

Suitability table for main italian profiles

Extruder	Profile																							
		1121	1121.1	1123	3000.731/.732/.739/.742	3000.733/.740	3000.850	3000.851	3000.852	3000.853	3000.854	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
ALUPEX	EURO 40				•		•					•				•							•	•
	EURO KEEPER 46/53	•			•		•					•	•		•		•		•				•	•
	GREEN 45 sorm.	•			•		•					•	•		•		•		•				•	•
	GREEN 45/52 SP.	•			•		•					•	•		•		•		•				•	•
	GREEN ragg.			•		•	•					•	•		•		•		•				•	•
	KEEPER 53/60	•			•		•					•	•		•		•		•				•	•
	KEEPER 53/60 ragg.			•		•	•					•	•		•		•		•				•	•
	KEEPER 61/68	•			•		•					•	•		•		•		•				•	•
ALEXIA	ESEDRA GA 53	•			•					•		•	•		•		•		•				•	•
	ESEDRA GA 53 ragg.			•		•				•		•	•		•		•		•				•	•
	ESEDRA TT 63	•			•					•		•	•		•		•		•				•	•
	ESEDRA TT 75	•			•					•		•	•		•		•		•				•	•
ALL.CO	EXPORT 40	•			•						•	•			•		•		•				•	•
	EXPORT 45	•			•						•	•			•		•		•				•	•
	EXPORT 45 raggiato			•		•					•	•			•		•		•				•	•
	EXPORT 45 TT	•			•						•	•			•		•		•				•	•
	EXPORT 45 TT ragg.			•		•					•	•			•		•		•				•	•
	EXPORT 50	•			•						•	•			•		•		•				•	•
	EXPORT 50 TT	•			•						•	•			•		•		•				•	•
	K 45T	•			•						•	•			•		•		•				•	•
	K 64T	•			•						•	•			•		•		•				•	•
	K 70T	•			•						•	•			•		•		•				•	•
ALUMEC	SYNTHESIS 45		•		•						•	•			•		•		•				•	•
	SYNTHESIS 57		•		•						•	•			•		•		•				•	•
	SYNTHESIS 60TT		•		•						•	•			•		•		•				•	•
ALUSUISSE	ALSEC 2000/59				•					•		•						•					•	•
	ALSEC 2000/69				•					•		•						•					•	•
	AS 46				•					•		•						•					•	•
BODEGA	BGA 50		•		•					•		•	•		•		•		•				•	•
	BGA 50 arrotondato		•		•					•		•	•		•		•		•				•	•
	BGA 50 ragg.			•		•				•		•	•		•		•		•				•	•
	BT 60 TT		•		•					•		•	•		•		•		•				•	•
EQUIPE	SERIE 8000		•		•						•	•	•		•		•		•				•	•
	SERIE 8000 TT		•		•						•	•	•		•		•		•				•	•
FINAL	EXPORT 45	•			•						•	•			•		•		•				•	•
	EXPORT 45 raggiato			•		•					•	•			•		•		•				•	•
	EXPORT 45 T	•			•						•	•			•		•		•				•	•
	EXPORT 45 T ragg.			•		•					•	•			•		•		•				•	•
	EXPORT 50	•			•						•	•			•		•		•				•	•
	EXPORT 50 T	•			•						•	•			•		•		•				•	•
HYDRO	BREAK PA 52		•		•					•		•			•		•		•				•	•
	BREAK PA 52 ragg.		•		•					•		•			•		•		•				•	•
	BREAK PA 62/PA 63		•		•					•		•			•		•		•				•	•
	BREAK PA 70		•		•					•		•			•		•		•				•	•
	BREAK PA 70 S		•		•					•		•			•		•		•				•	•
	STOPPER PG		•		•					•		•			•		•		•				•	•
	STOPPER PG ragg.			•		•				•		•			•		•		•				•	•
	STOPPER PG STYLE			•		•				•		•			•		•		•				•	•

Extruder	Profile																							
		1121	1121.1	1123	3000.731/.732/.739/.742	3000.733/.740	3000.850	3000.851	3000.852	3000.853	3000.854	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
INDINVEST	GOLD 400		•		•						•	•				•	•						•	•
	GOLD 400 ragg.			•		•					•	•				•	•						•	•
	GOLD 490		•		•						•	•				•	•						•	•
	GOLD 500		•		•						•	•				•	•						•	•
	GOLD 500 ragg.			•		•					•	•				•	•						•	•
	GOLD 600		•		•						•	•				•	•						•	•
MEXALL	MX 50		•		•					•		•	•				•						•	•
	MX 70 TT		•		•					•		•					•						•	•
METRA	NC 45 INT.		•		•						•	•				•							•	•
	NC 45 INT. ragg.			•		•					•	•				•							•	•
	NC 45 STH		•		•						•	•				•							•	•
	NC 55 INT.		•		•						•	•				•							•	•
	NC 65 STH		•		•							•	•				•						•	•
	NC 68 STH		•		•						•	•				•							•	•
NC 72 STH		•		•							•	•				•						•	•	
MORELLI	MA 8300				•						•	•					•						•	•
	MA 9500				•						•	•					•						•	•
	MA 2000 TT	•			•						•	•				•	•						•	•
	MA 2000 TT ragg.			•		•					•	•				•	•						•	•
OCMA	SV 47/55	•			•					•	•				•								•	•
	SV TT55	•			•					•	•				•								•	•
	SV TT70	•			•					•	•				•								•	•
	SV TT74	•			•					•	•				•								•	•
	SV 39	•			•					•	•				•								•	•
	SV 39/47 ragg.			•		•					•	•				•							•	•
PASSERINI	VENICE TH16	•			•					•	•				•	•							•	•
	MAASTRICHT 53	•			•					•	•				•	•							•	•
	MAASTRICHT TH 60	•			•					•	•				•	•							•	•
	MAASTRICHT TH 68	•			•					•	•				•	•							•	•
PONZIO	WINDSTOP 45	•	•		•					•	•				•	•							•	•
	WINDSTOP 45 ragg.			•		•				•	•				•	•							•	•
	WINDSTOP 45 TT	•			•					•	•				•	•							•	•
	WINDSTOP 45 TT ragg.			•		•				•	•				•	•							•	•
PROFILATI	EKU 40	•			•					•	•				•	•							•	•
	EKU 53	•			•					•	•				•	•							•	•
	EKU 53 ragg.			•		•				•	•				•	•							•	•
	EKU 53 TT	•			•					•	•				•	•							•	•
	EKU 64 TT	•			•					•	•				•	•							•	•
	EKU 72 TT	•			•					•	•				•	•							•	•

N.B.: art. 1200/7, 1200/8, 1243.704, 1243.721, 1246.832, 1246.835, 1343.2, 1404, 1414, 1415, 1416.5, 1468, 1490, 3000.820, 3001.950, 3100.950/.951, **3000.4/.5/.6/.7**, 3100.800, **3001/.1/.6/.7**, 3101.800 and 8300.15/.16 suitable for all the profiles shown in the table above.

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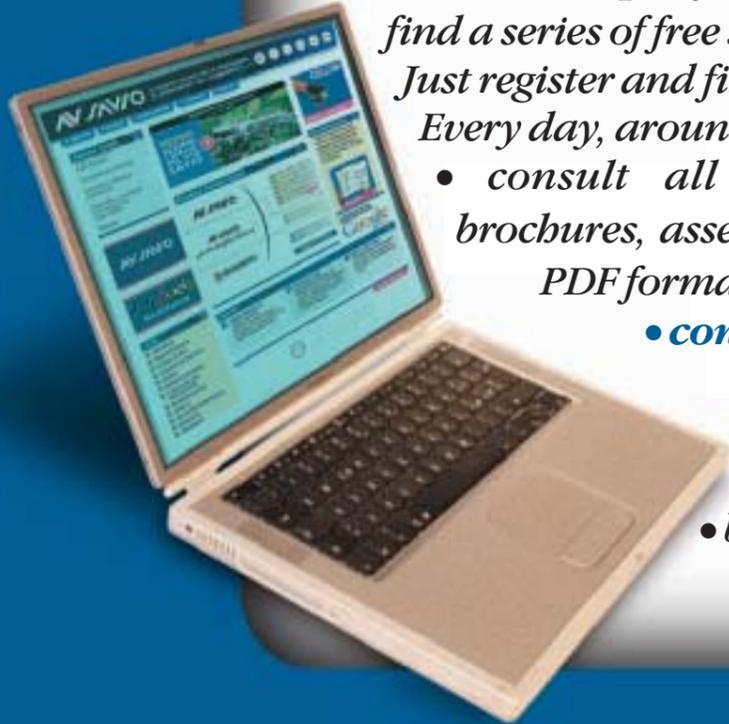
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