

RIBANTA 5

TILT AND TURN GEARING



Tilt and turn for Euro grooves
and NC International profiles.

- All accessories are frontally applied.
- Connection rods are modular and provided already pre-cut to standard sizes
- All parts are pre-assembled and self-positioning



- All assembly phases are user friendly
- The system offers the maximum tolerance in the various machining operations to assemble the handle
- Three directions adjustments are simple and intuitive; the main ones can be done with already installed window/door
- The simplicity and user friendliness of Ribanta 5 are such as to allow new workers, not familiar with tilt-and-turn, to become operative almost immediately

Simplicity

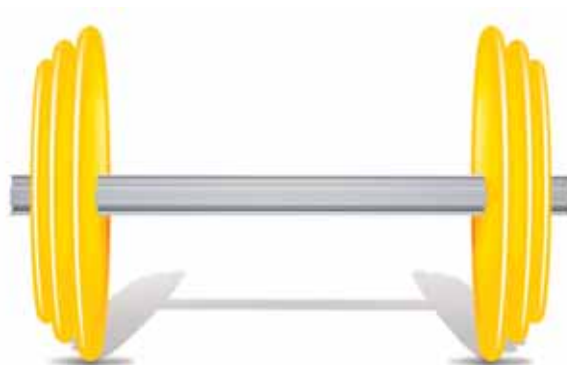


- No need to machine the link rod groove
- No calculation is required for cutting the rods
- Not necessary to cut and drill the rods to exact sizes
- All components are preassembled and fully self-positioning
- All accessories are frontally applied

Thanks to this, Ribanta 5 assembly is extremely quick, thus ensuring great savings in time.

Rapidity

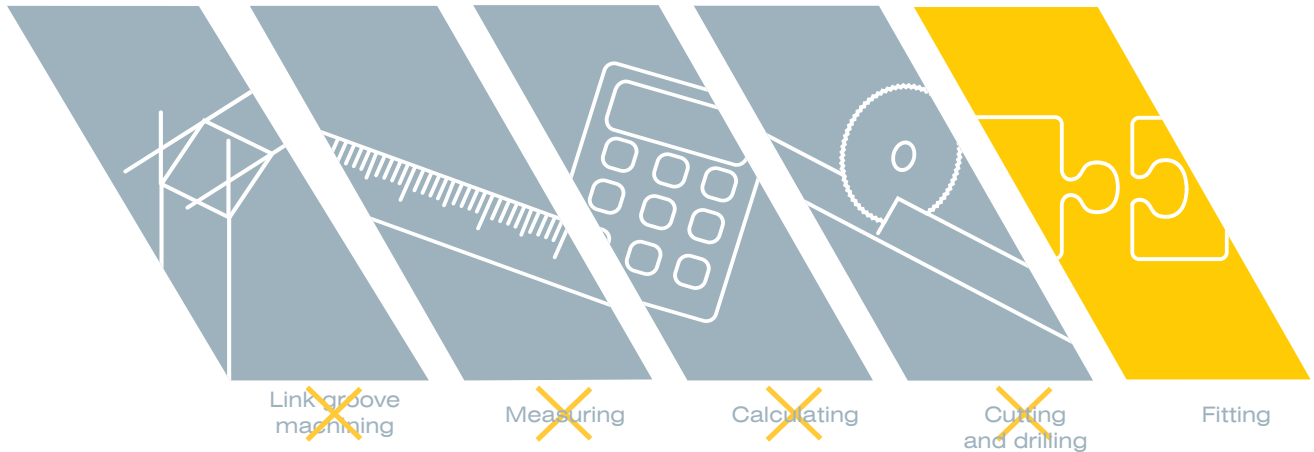
- 2 hinges and an extra kit allow reaching 3 different load levels, namely: 110 - 140 - 170 kg
- Tested according to EN 13126-8:2006



Sturdiness

RIBANTA 5

NEW AGE OF THE TILT-AND-TURN
HAS BEEN OFFICIALLY OPENED.



NO LINK GROOVE MACHINING, NO MEASURING,
NO CALCULATING,
NO CUTTING AND NO DRILLING.

RIBANTA 5 IS SO **EASY**
THAT IT CAN BE FITTED IN **1 THIRD OF THE TIME**
AND WITHOUT MISTAKES

RIBANTA 5. The range.

- For Euro Grooves and NC International profiles
- Vertical fulcrum
- Horizontal fulcrum
- Tilt and turn gearing
- Tilt first gearing
- Application range (widths up to 1700 mm and heights up to 2700 mm)
- Microventilation already incorporated
- Secondary leaf
- Side hung leaf

Optional (Features and tooling)

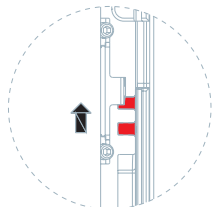
- Anti burglar devices (class 3- standard ENV 1627÷1630)
- Snap latch mechanism
- Positioning jigs
- Punching machine
- Assembly bench
- Accessory trolley



Tilt-and-turn for Euro grooves and NC International profiles



Corner transmission with mishandling device and incorporated microventilation



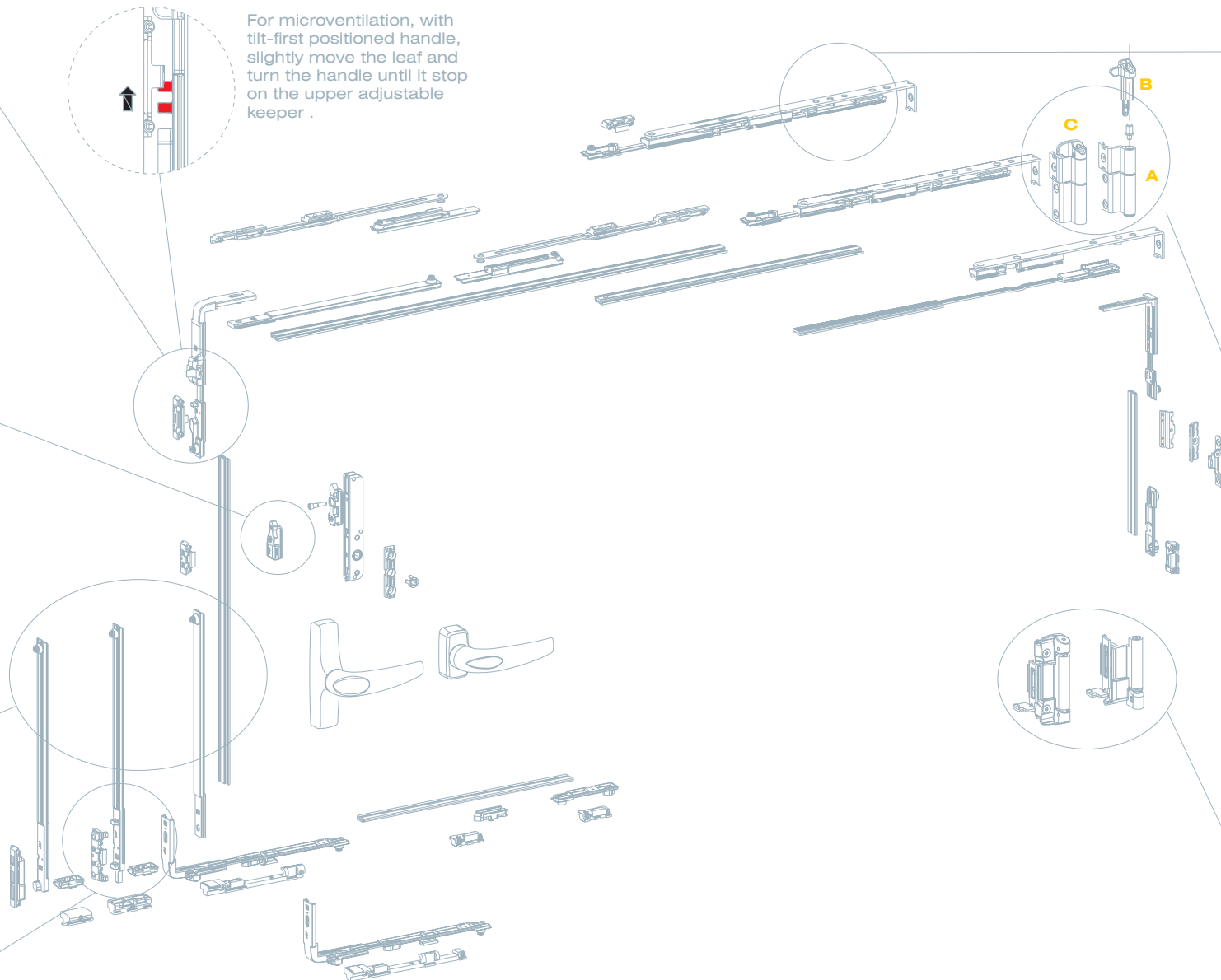
For microventilation, with tilt-first positioned handle, slightly move the leaf and turn the handle until it stop on the upper adjustable keeper .



Handle connection piece with free positioning



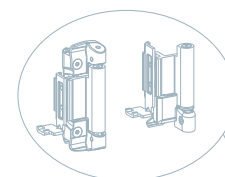
Vertical fulcrum, self-positioning and telescopic element



Self-positioning scissors arm with modular opening



Modular and self-positioning hinge for weight capacity 110 - 140 - 170 Kg:
 - A = 110 Kg
 - A+B = 140 Kg
 - C = 170 Kg

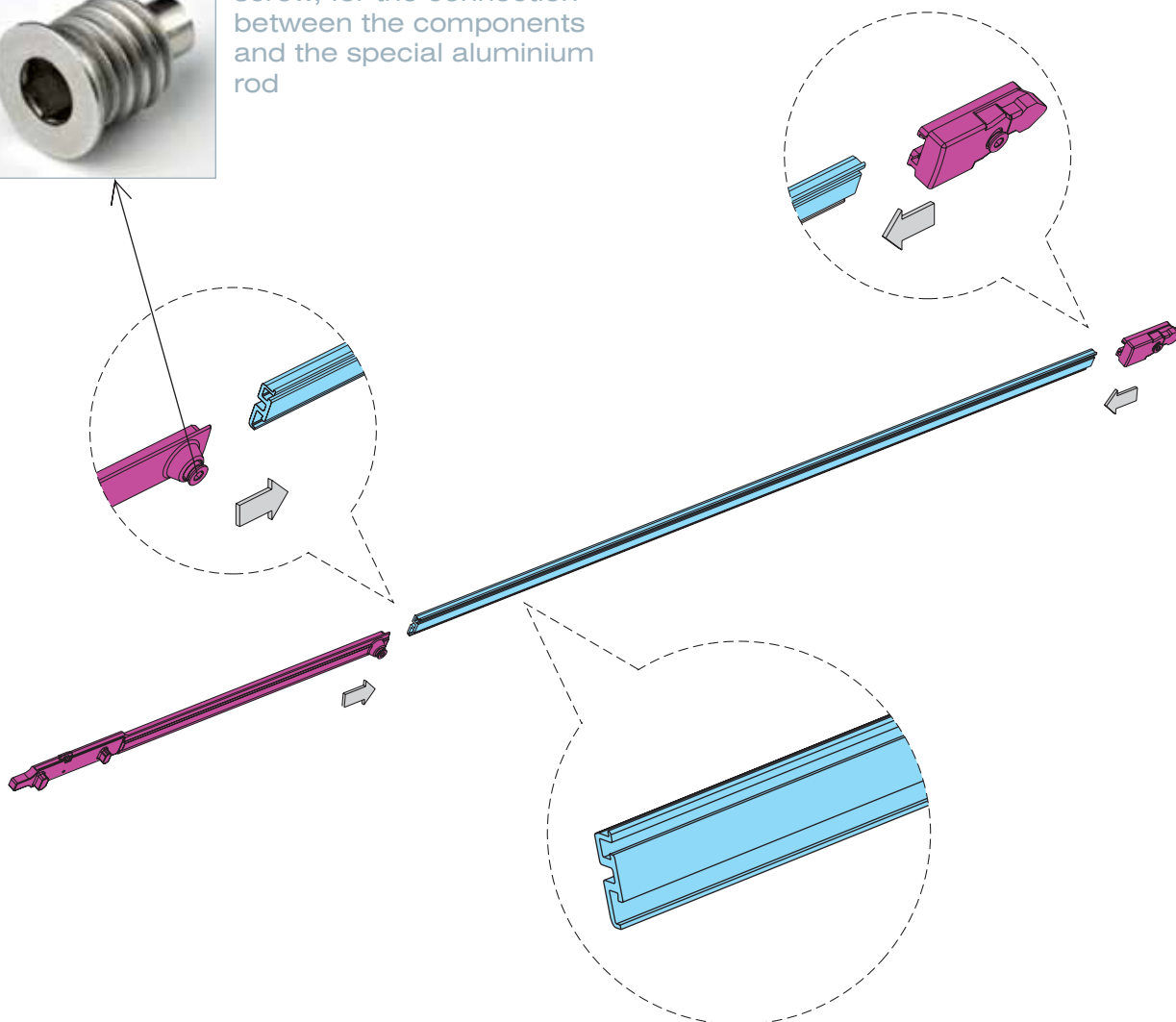


Bottom hinge, adjustable in 3 directions

All zamak components are supplied white zinc-plated

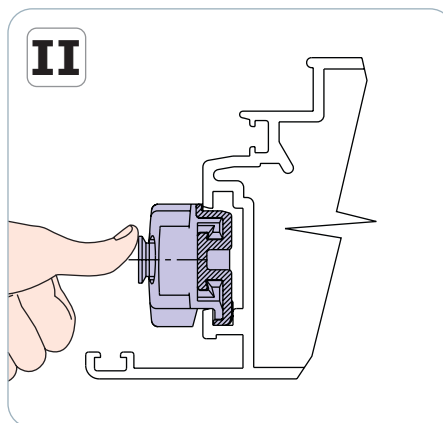
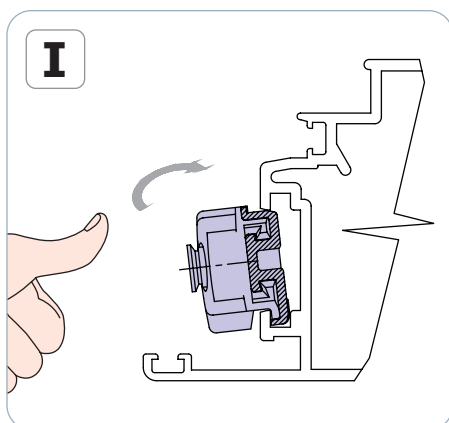


Special self-tapping grub screw, for the connection between the components and the special aluminium rod



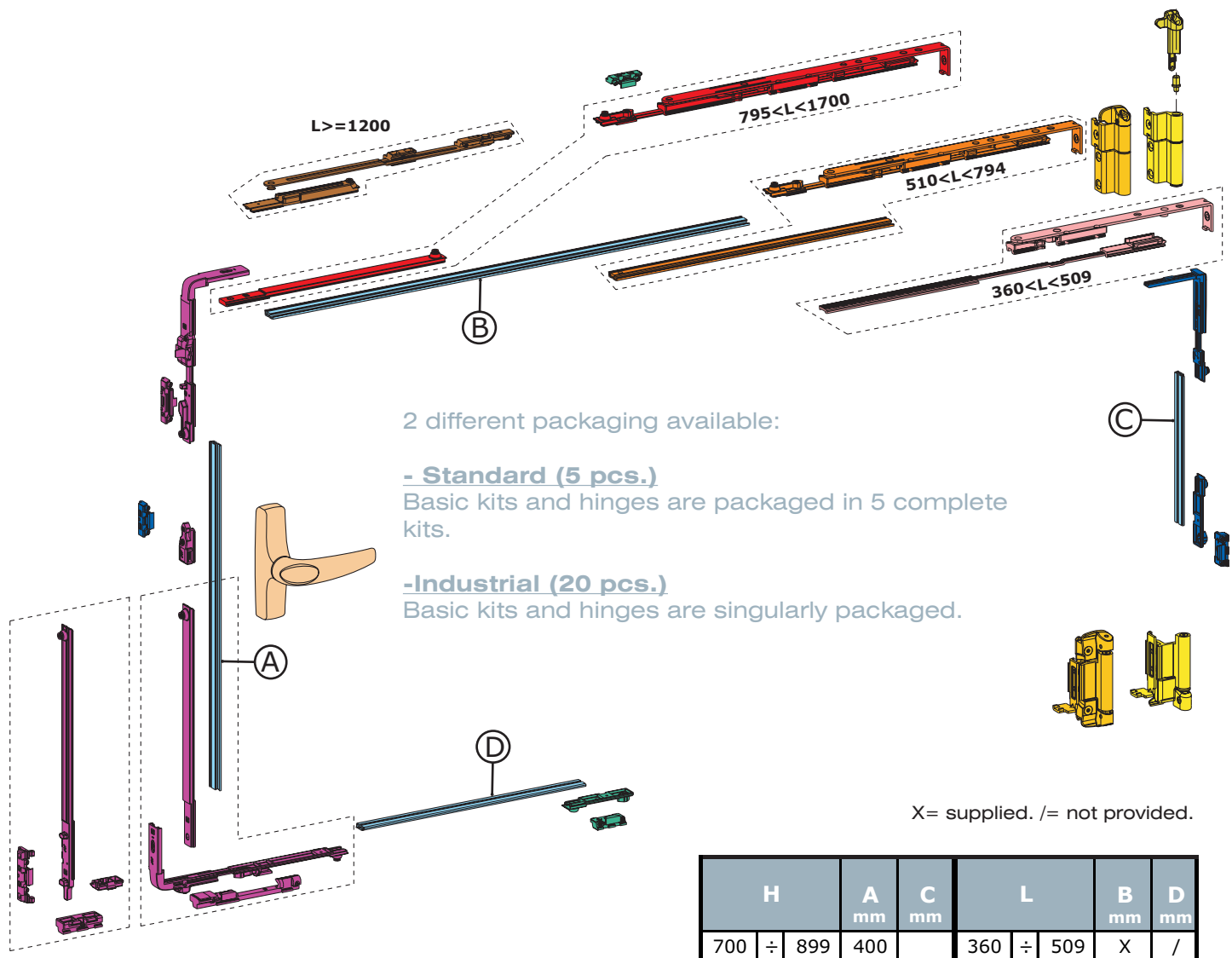
Special rod in extruded aluminium, silver anodized. Supplied in standard pre-cutted units (see scheme on page 6).

Frontal insertion of all elements, simply pressing with fingers



Rod choice layout

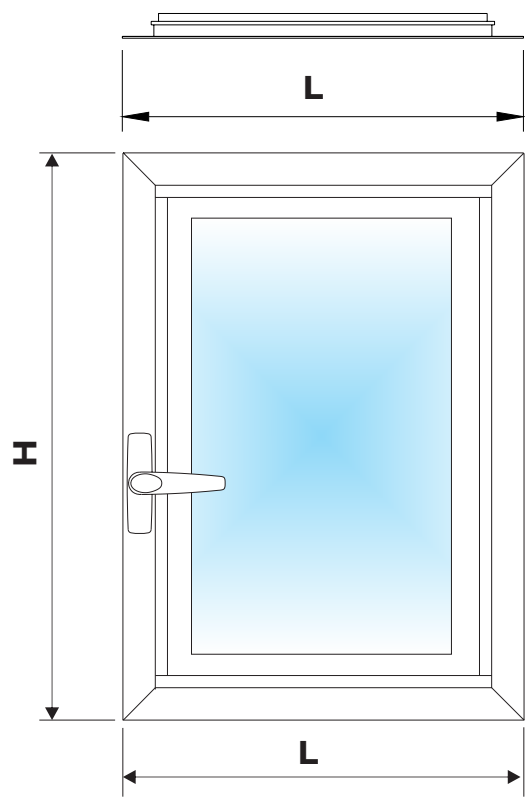
Valid for all types of gearing (tilt-firs or turn-first function, vertical or horizontal fulcrum).



2 different packaging available:

- **Standard (5 pcs.)**
Basic kits and hinges are packaged in 5 complete kits.
- **Industrial (20 pcs.)**
Basic kits and hinges are singularly packaged.

X= supplied. /= not provided.

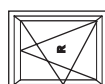
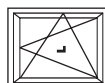
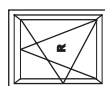


H			A mm	C mm	L			B mm	D mm
700	÷	899	400	/	360	÷	509	X	/
900	÷	1099	600		510	÷	794	X	/
1100	÷	1299	800		795	÷	944	250	/
1300	÷	1399	1000		945	÷	1144	400	/
1400	÷	1499		1145	÷	1199	600	/	
1500	÷	1699	1200	600	1200	÷	1344	600	/
1700	÷	1899	1400		800	1345	÷	1544	800
1900	÷	2099	1600	1545		÷	1700	1000	
2100	÷	2299	1800	1000					
2300	÷	2499	2000						
2500	÷	2700	2200						
			1200						

Description	mm	Art.	Pcs./ pack.
Transmission rod	250	3205/25	100
	400	3205/40	100
	600	3205/60	100
	800	3205/80	100
	1000	3205/100	100
	1200	3205/120	100
	1400	3205/140	100
	1600	3205/160	50
	1800	3205/180	50
	2000	3205/200	50
	2200	3205/220	50

Windows with L 360 ÷ 509 mm

Tilt and turn gearing



Pcs./ pack.	Left leaf Industrial Packaging	Right leaf Industrial Packaging	Description	Left leaf Standard Packaging	Right leaf Standard Packaging	Pcs./ pack.	H 700÷1400	H 1401÷2700	2nd leaf
ARM AND LOCKING POINT KITS									
20	3200.770L	3200.770R	Short arm	3200.750L	3200.750R	5	1	1	
5	3200.820L	3200.820R	Kit for 6 locking points (H>1400 mm)	3200.820L	3200.820R	5		1	
BASIC KITS									
20	3200.20L	3200.20R	VERTICAL FULCRUM KIT (the industrial version doesn't contain the support and the hinge cover).	3200.L	3200.R	5	1	1	
20	3200.22L	3200.22R	HORIZONTAL FULCRUM KIT (the industrial version doesn't contain the support and the hinge cover).	3200.2L	3200.2R	5			
HINGES - ACCORDING TO WEIGHT CAPACITY									
20	3200.729		Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.709		5	1	1	
20	3200.730L	3200.730R	Support and lower cover for hinge						
20	3200.729		Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.709		5	1	1	
20	3200.730L	3200.730R	Support and lower cover for hinge						
5	3200.708L	3200.708R	Reinforcement kit for upper hinge	3200.708L	3200.708R	5	1	1	
20	3200.721		Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.701		5	1	1	
20	3200.720L	3200.720R	Lower support for hinge	3200.700L	3200.700R	20	1	1	
ACCESSORIES FOR SECONDARY LEAF - ACCORDING TO WEIGHT CAPACITY									
40	1246.832W		Supplementary locking piece, hinge side (H>1400 mm)	1246.832W		40			2
20	3200.729		Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.709		5			1
20	3200.730L	3200.730R	Support and lower cover for hinge	3200.710L	3200.710R	5	1	1	
20	3200.860L	3200.860R	Adjustable upper support for hinge	3200.840L	3200.840R	5			1
20	3200.729		Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.709		5			1
20	3200.730L	3200.730R	Support and lower cover for hinge	3200.710L	3200.710R	5	1	1	
5	3200.708L	3200.708R	Reinforcement kit for upper hinge	3200.708L	3200.708R	5			1
20	3200.860L	3200.860R	Adjustable upper support for hinge	3200.840L	3200.840R	5			1
20	3200.721		Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.701		5			1
20	3200.720L	3200.720R	Lower support for hinge	3200.700L	3200.700R	20			1
20	3200.860L	3200.860R	Adjustable upper support for hinge	3200.840L	3200.840R	5			1

Tilt and turn gearing

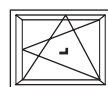
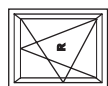
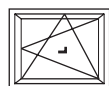
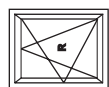
Windows with L 510 ÷ 794 mm



Pcs./ pack.	Left leaf Industrial Packaging	Right leaf Industrial Packaging	Description	Left leaf Standard Packaging	Right leaf Standard Packaging	Pcs./ pack.	H 700÷1400	H 1401÷2700	2nd leaf
ARM AND LOCKING POINT KITS									
20	3200.771L	3200.751R	Standard arm	3200.751L	3200.751R	5	1	1	
5	3200.820L	3200.820R	Kit for 6 locking points (H> 1400 mm)	3200.820L	3200.820R	5		1	
BASIC KITS									
20	3200.20L	3200.20R	VERTICAL FULCRUM KIT (the industrial version doesn't contain the support and the hinge cover).	3200.L	3200.R	5	1	1	
20	3200.22L	3200.22R	HORIZONTAL FULCRUM KIT (the industrial version doesn't contain the support and the hinge cover).	3200.2L	3200.2R	5			
HINGES – ACCORDING TO WEIGHT CAPACITY									
20	3200.729	3200.729	Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.709	3200.709	5	1	1	
20	3200.730L	3200.730R	Support and lower cover for hinge						
20	3200.730L	3200.730R	Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.709	3200.709	5	1	1	
5	3200.708L	3200.708R	Support and lower cover for hinge						
			Reinforcement kit for upper hinge	3200.708L	3200.708R	5	1	1	
20	3200.721	3200.721	Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.701	3200.701	5	1	1	
20	3200.720L	3200.720R	Lower support for hinge	3200.700L	3200.700R	20	1	1	
ACCESSORIES FOR SECONDARY LEAF – ACCORDING TO WEIGHT CAPACITY									
40	1246.832W	1246.832W	Supplementary locking piece, hinge side (H> 1400 mm)	1246.832W	1246.832W	40			2
20	3200.729	3200.729	Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.709	3200.709	5			1
20	3200.730L	3200.730R	Support and lower cover for hinge	3200.710L	3200.710R	5	1	1	
20	3200.860L	3200.860R	Adjustable upper support for hinge	3200.840L	3200.840R	5			1
20	3200.729	3200.729	Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.709	3200.709	5			1
20	3200.730L	3200.730R	Support and lower cover for hinge	3200.710L	3200.710R	5	1	1	
5	3200.708L	3200.708R	Reinforcement kit for upper hinge	3200.708L	3200.708R	5			1
20	3200.860L	3200.860R	Adjustable upper support for hinge	3200.840L	3200.840R	5			1
20	3200.721	3200.721	Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.701	3200.701	5			1
20	3200.720L	3200.720R	Lower support for hinge	3200.700L	3200.700R	20			1
20	3200.860L	3200.860R	Adjustable upper support for hinge	3200.840L	3200.840R	5			1

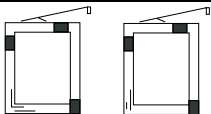
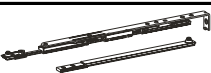
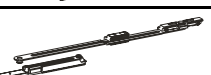
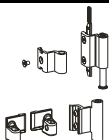
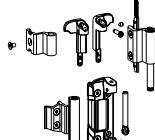
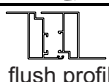
Windows with L 795 ÷ 1700 mm

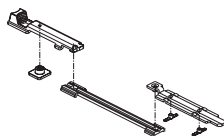
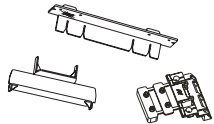
Tilt and turn gearing

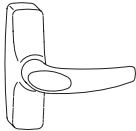
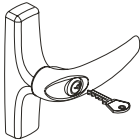
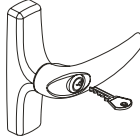
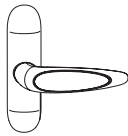
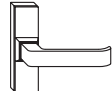
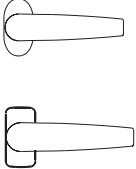
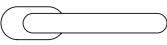


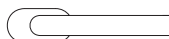
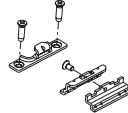
Pcs./ pack.	Left leaf Industrial Packaging	Right leaf Industrial Packaging	Description	Left leaf Standard Packaging	Right leaf Standard Packaging	Pcs./ pack.	H 700÷1400	H 1401÷2700	2nd leaf
ARM AND LOCKING POINT KITS									
20	3200.772L	3200.772R	Long arm	3200.752L	3200.752R	5	1	1	
5	3200.800L	3200.800R	Supplementary arm (L > 1200 mm)	3200.800L	3200.800R	5	1	1	
5	3200.820L	3200.820R	Kit for 6 locking points (H > 1400 mm)	3200.820L	3200.820R	5		1	
5	3200.825L	3200.825R	Kit for 8 locking points (L > 1346 mm)	3200.825L	3200.825R	5		1	
BASIC KITS									
20	3200.20L	3200.20R	VERTICAL FULCRUM KIT (the industrial version doesn't contain the support and the hinge cover). * FOR "L" < 1345 or "L" = 1345	3200.L	3200.R	5	1*	1*	
20	3200.22L	3200.22R	HORIZONTAL FULCRUM KIT (the industrial version doesn't contain the support and the hinge cover).	3200.2L	3200.2R	5			
HINGES - ACCORDING TO WEIGHT CAPACITY									
20	3200.729		Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.709		5	1	1	
20	3200.730L	3200.730R	Support and lower cover for hinge						
20	3200.729		Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.709		5	1	1	
20	3200.730L	3200.730R	Support and lower cover for hinge						
5	3200.708L	3200.708R	Reinforcement kit for upper hinge	3200.708L	3200.708R	5	1	1	
20	3200.721		Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.701		5	1	1	
20	3200.720L	3200.720R	Lower support for hinge	3200.700L	3200.700R	20	1	1	
ACCESSORIES FOR SECONDARY LEAF - ACCORDING TO WEIGHT CAPACITY									
40	1246.832W		Supplementary locking piece, hinge side (H > 1400 mm)	1246.832W		40			2
20	3200.729		Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.709		5			1
20	3200.730L	3200.730R	Support and lower cover for hinge	3200.710L	3200.710R	5	1	1	
20	3200.860L	3200.860R	Adjustable upper support for hinge	3200.840L	3200.840R	5			
20	3200.729		Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.709		5			1
20	3200.730L	3200.730R	Support and lower cover for hinge	3200.710L	3200.710R	5	1	1	
5	3200.708L	3200.708R	Reinforcement kit for upper hinge	3200.708L	3200.708R	5			1
20	3200.860L	3200.860R	Adjustable upper support for hinge	3200.840L	3200.840R	5			1
20	3200.721		Non-handed hinges kit (both packaging versions don't contain the support and the hinge cover).	3200.701		5			1
20	3200.720L	3200.720R	Lower support for hinge	3200.700L	3200.700R	20			1
20	3200.860L	3200.860R	Adjustable upper support for hinge	3200.840L	3200.840R	5			1

Article codes and accessories

BASIC KITS								
	ARTICLE CODE		Standard package	DESCRIPTION	ARTICLE CODE		Industrial package	
	LH	RH			LH	RH		
	3200.L	3200.R			5	Vertical fulcrum basic kit		3200.20L
	3200.2L	3200.2R	5	Horizontal fulcrum basic kit	3200.22L	3200.22R	20	
ARMS								
	3200.750L	3200.750R	5	Short arm	3200.770L	3200.770R	20	
	3200.751L	3200.751R	5	Standard arm	3200.771L	3200.771R	20	
	3200.752L	3200.752R	5	Long arm	3200.772L	3200.772R	20	
	3200.800L	3200.800R	5	Supplementary arm				
	3200.801		40	Opening restrictor kit (right-left) for standard and long arm				
	3200.802		40	Opening restrictor kit (right-left) for supplementary arm				
HINGES								
	3200.709		5	Non-handed hinge kit (weight capacity 110 Kg)	3200.729		20	
	3200.708L	3200.708R	5	Reinforcement kit for hinge 3000.709 (upper part),weight capacity 140 Kg				
	3200.701		5	Non-handed hinge kit (weight capacity 170 Kg)	3200.721		20	
 flush profile	3200.740		5	Reversible hinge kit for RIBANTA 5 (weight capacity 70 Kg.) for internally flush profiles				
	3200.745		5	Reversible hinge kit for RIBANTA 5 (weight capacity 70 Kg.) with 4 mm teeth for internally flush profiles				
FINISHING FOR HINGES 3200.701/.708/.709 : 1013, 1015, 1247, 3001, 6005, 7035, 8017, 8019, 9001, 9005, 9006, 9010, 9016, 9660, B.SA, BL10, BR5, BR801, BW21, C, GR217, GR606, GREY, WT005								
FINISHING FOR HINGES 3200.740: 1013, 9005, 9006, 9010, BL10, BR5, BR801, C, GR217, HL, PVD X								
FINISHING FOR HINGES 3200.745 : 1013, 9005, 9006, 9010, BL10, BR5, C, HL, PVD X								
SUPPLEMENTARY CLOSING POINTS								
	1243.721W		40	Adjustable keeper				
	3200.805L	3200.805R	40	Kit of locking piece+adjustable keeper				
	3200.810		40	Kit of intermediate locking piece + adjustable keeper				
	3200.820L	3200.820R	5	Kit for 6 locking points				
	3200.825L	3200.825R	5	Kit for 8 locking points				
ACCESSORIES FOR SECONDARY LEAF								
	3200.840L	3200.840R	5	Adjustable upper support for 2 nd leaf hinge	3200.860L	3200.860R	20	
	3200.710L	3200.710R	5	Lower support and cover for 2 nd leaf hinge (weight capacity 110-140 Kg)	3200.730L	3200.730R	20	
	3200.700L	3200.700R	5	LH lower support for hinge (weight capacity 170 Kg)	3200.720L	3200.720R	20	

	ARTICLE CODE		Standard package	DESCRIPTION	ARTICLE CODE		Industrial package
	LH	RH			LH	RH	
ACCESSORIES FOR SECONDARY LEAF							
 flush profile	3200.831	5	Reversible hinge kit for secondary leaf (weight capacity 70 Kg) for internally flush profiles				
	3200.850	20	Bolt in black nylon and stainless steel 304 for groove 15x20				
	3200.851	20	Bolt in black nylon and stainless steel 304 for groove 14x19,5				
	3200.852	20	Bolt in black nylon and stainless steel 304 for groove 13,5x16,5				
	3200.853	20	Bolt in black nylon and stainless steel 304 for groove 14x18				
	3200.854	20	Bolt in black nylon and stainless steel 304 for groove 15x20				
	3200.896	20	Bolt in black nylon and stainless steel 304 for groove 13,2x16,7				
	1246.832W	40	Supplementary locking piece (hinge side), white zinc-plated				
	1414W	200	Adjustable double keeper, white zinc-plated				
	1416.5W	100	Double keeper, white zinc-plated				
	1551.6	20	REVERTO lever bolt for standard rods (travel 22 mm)				
FINISHING FOR HINGES 3200.831: 1013, 9005, 9006, 9010, BL10, BR5, BR801, C, GR217, HL, PVD X							
NOTE: the suitability to profile for bolts of serie from 3200.850 to 3200.896, is the same of bolts serie 3000.850 (see general documentation)							
TRANSMISSION RODS							
	3205/25	100	Transmission rod of extruded aluminium, silver anodized	mm 250			
	3205/40	100		mm 400			
	3205/60	100		mm 600			
	3205/80	100		mm 800			
	3205/100	100		mm 1000			
	3205/120	100		mm 1200			
	3205/140	100		mm 1400			
	3205/160	50		mm 1600			
	3205/180	50		mm 1800			
	3205/200	50		mm 2000			
	3205/220	50		mm 2200			
	3205.910	1		Kit of 5 transmission rods length 1200 mm, in silver anodized extruded aluminum			
	3205.911	1	Transmission rod kit in silver anodized extruded aluminum consisting of: 5 250 mm rods, 5 1000 mm rods and 5 1200 mm rods				
	3205.912	1	Kit of 5 transmission rods length 1800 mm in silver anodized extruded aluminum				
POSITIONING JIGS							
	3200.950	5	Positioning jig, in yellow nylon, for 110/140 Kg hinges				
	3200.951	5	Positioning jig, in red nylon, for 170 Kg hinges				
	3200.952	5	Positioning jig, in black nylon, for frame parts				
	3200.953	5	Keeper positioning jig, black nylon, for supplementary closing points				
	3200.954	1	Jig kit art. 3200.950 + 3200.952 + 3200.953				
	3200.955	1	Hinges drilling jig in nylon with pre-stamped bushings				
HANDLES AND SNAP LATCHES FOR TILT AND TURN GEARING							
	ARTICLE CODE	Packaging	DESCRIPTION	FINISHING			
	873.1	5	Handle for tilt and turn in die-cast metal or brass, dist. between centres 84.5-98 mm (C = 50 pz.)	C, OTT, 1013, 1015, 1247, 3001, 6002, 6005, 7032, 8017, 8019, 9001, 9005, 9006, 9010, 9016, 9660, BL10, B.SA, BR4, BR5, BR801, BW21, GR217, GR51, GR606, GREY, RD501, WT005, PVD X, PVD H			

HANDLES AND SNAP LATCHES FOR TILT AND TURN GEARING				
	ARTICLE CODE	Packaging	DESCRIPTION	FINISHING
	873.2	5	Like 873.1 but dist. Between centres 92-104 mm (C = 50 pz.).	C, BL10, B.SA, BL25, OTT, 1013, 1015, 6002, 7032, 7035, 8017, 8019, 9001, 9005, 9006, 9010, 9016, 9660, BR4, BR5, BR801, BW21, GR217, GR50, GR51, GR606, RD501, WT005, PVD X, PVD H
	873.753	5	Handle for tilt and turn in die-cast metal or brass, with safety cylinder (same keys), dist. between centres 84.5-98 mm (C = 50 pz.).	C, OTT, 1013, 1015, 6002, 7032, 8019, 9001, 9005, 9006, 9010, 9016, 9660, BL10, B.SA, BW21, BR801, PVD X
	873.754	5	Like 873.753 but dist. Between centres 92-104 mm (C = 50 pz.).	C, OTT, 1013, 1015, 6002, 7032, 8019, 9001, 9005, 9006, 9010, 9016, BL10, B.SA, BW21, 9660, GR217, WT005, PVD H, PVD X
	873.755	5	Handle for tilt and turn in die-cast metal, without grip handle (grip handle art.1243.599), dist. between centres 84.5-98 mm	B.SA, 1013, 8019, 9005, 9006, 9010
	873.756	5	Like 873.755 but dist. Between centres 92-104 mm (C = 50 pz.).	C, BL10, 1013, 8019, 9005, 9006, 9010, PVD X
	873.771	5	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	OTT, 1013, 7032, 8019, 9001, 9006, 9005, 9010, 9016, 9660, BL10, B.SA
	873.772	5	Like 873.771 but RH version	OTT, 1013, 8019, 9001, 9005, 9006, 9010, 9016, 9660, BL10, B.SA
	873.773	5	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	OTT, 1013, 8019, 9001, 9005, 9006, 9010, 9016, 9660, BL10, GR217, PVD H, PVD X
	873.774	5	Like 873.773 but RH version	OTT, 1013, 8019, 9001, 9005, 9006, 9010, 9016, 9660, BL10, GR217, PVD H, PVD X
	870.802	200	Stiffening snap in die-cast metal for Eurogrooves profiles and NC International	
	883.1	5	Handle for tilt and turn in die-cast metal, pinion and rack in galvanized steel, dist. between centres 84.5-98 mm	1013, 8019, 9001, 9005, 9006, 9010, 9660, BL10, BR4, BR5, BR801, GR217, GR606, RD501, WT005
	883.2	5	Like 883.1 but dist. Between centres 92-104 mm	1013, 1015, 8019, 9001, 9005, 9006, 9010, BL10, BR4, BR5, BR801, GR217, GR606, RD501, WT005
	880.701	50	Lens in coloured techno-polymer to apply fixing it to the handle of art. 883.1/.2	.74, .75, .78, .80, .82, .83, .85, .86
	1243.750	5	Aluminium handle, distance between centres 84.5-92-98-104 mm (C = 10 pcs.)	C, BW21, F, U, NE, ZE, 1013, 3003, 6005, 8017, 9001, 9005, 9010
	1243.599	1	Aluminium loose grip handle for art. 873.755/.756. (C = 50 pcs.).	C, F, NE, 1013, 9006, 9010, 9660
	874.2/7	5	MANON snap latch with extractable handle and 7 mm square spindle	1013, 9660, 9005, 9006, 9010, BL10, BR5, B.SA, C, PVD H, PVD X
	874.3/7	5	MANON snap latch with 7 mm square spindle	1013, 1015, 8019, 9005, 9006, 9010, 9660, BL10, BR5, C, PVD H, PVD X
	874.4/7	5	MMANON snap latch with 7 mm square spindle but lenght of 52 mm	1013, 9005, 9010, BL10, BR5, PVD H, PVD X
	874.598	50	Key for handle removal of art. 874.2/.21, dimensions 10x1 mm	
	874.805	100	Protection cap made of red nylon for art. 874.2/.21	
	1210/7	5	MONO Mono-directional movement mechanism for tilt and turn windows with 14,5 mm backset, 7 mm square hole	
	1606	2	GINEVRA Snap latch, distance between centres 43 mm, square spindle 7 mm. It can be combined with art. 1210/7	S, PVD H

HANDLES AND SNAP LATCHES FOR TILT AND TURN GEARING							
	ARTICLE CODE		Packaging	DESCRIPTION	FINISHING		
	1607		2	GINEVRA Snap latch, distance between centres 43 mm, square spindle 7 mm. It can be combined with art. 1210/7	S, PVD H		
	1608		2	GINEVRA Snap latch, distance between centres 43 mm, square spindle 7 mm. It can be combined with art. 1210/7	S, PVD H		
OPTIONALS							
	ARTICLE CODE		Standard package	DESCRIPTION	ARTICLE CODE		Industrial package
	LH	RH			LH	RH	
	3200.738				20		
	3200.600L	3200.600R	40	Lateral closure including handle connection piece, 1 LH locking pieces and 1 RH locking piece, 2 keepers in white zinc zamak			
	3200.605L	3200.605R	40	Kit of terminal locking piece and adjustable keeper			
	3200.835		20	Anti-burglar device			
	1490		10	BLOCAL lock with safety cylinder (same keys)			
EQUIPMENT							
	8300.32		1	Automatic punching machine for RIBANTA 5 rods and antiburglar devices			
	8300.35		1	Assembly desk			

Key to finishes

NYLON finishes.

.74=black
 .75=ivory
 .75/A=ivory with ivory facing plate
 .78=white
 .78/B=white with white facing plate
 .79=telegrey (RAL 7001)
 .80=metallized grey
 .81=traffic grey (RAL 7043)
 .82=pearl grey
 .83=metallized green
 .85=light blue
 .86=light green
 .90=galvanized silver
 .91=galvanized gold

Basic RAL finishes

1013= ivory RAL powder coated
 1013/A= ivory RAL powder coated with ivory facing plated
 1015= dark ivory RAL powder coated
 3001= signal red RAL powder coated
 6029= mint green RAL powder coated
 8019= coffee RAL powder coated
 9005= black RAL powder coated
 9010= white RAL powder coated
 9010/B= white RAL powder coated with white facing plated
 9016= traffic white powder coated
 9660= silver powder coated
 B.SA= satin white RAL powder coated
 BL10= matt black powder coated
 BR 5= bronze powder coated
 GREY= silver RAL powder coated

ANODIZED finish

HL=bright gold
 F=anodized silver
 U=anodized light bronze
 NE=elettrolitically anodized black finish
 ZE=elettrolitically anodized coffee finish
 XL=polished steel
 XSD= satin steel

OTHER finishes

C= mill finished
 OTT= polished solid brass and clear powder coated
 P= polished stainless steel
 PVD H= bright gold PVD treated
 PVD X= satin steel PVD treated

Other RAL finishes

1247= dark brown powder coated
 3003= ruby red RAL powder coated
 6002= leaf green RAL powder coated
 6005= moss green RAL powder coated
 7016= anthracite grey RAL powder coated
 7032=pebble grey RAL powder coated
 7035= light grey RAL powder coated
 7047= light silver RAL powder coated
 8017= chocolate brown RAL powder coated
 8077= dark brown RAL powder coated
 9001= cream RAL powder coated
 9006= silver RAL liquid varnish
 BR 5= dark bronze powder coated
 BL25= black powder coated
 BR801= marbled brown
 BW21= ice white powder coated
 GR217= dark marbled brown
 GR50= green textured
 GR51= brown textured
 GR606= marbled green
 RD501= marbled red
 WT005= gothic white

Classification table for tilt-and-turn closing systems for Euro grooves and NC International profiles

110 Kg version *

1	2	3	4	5	6	7	8	9
-	4	110	0	1	4	-	8	1300/1200

140 Kg version *

1	2	3	4	5	6	7	8	9
-	4	140	0	1	4	-	8	1550/1400

170 Kg version *

1	2	3	4	5	6	7	8	9
-	4	170	0	1	4	-	8	1550/1400

The various obtainable grades are:
(RIBANTA 5 grades in bold)

1 Category of use

Requirements for this category not needed

2 Durability

Grade 4: 15000 opening/closing cycles for tilt and turn and 5.000 opening cycles for leaf, for a total of 60.000 movements.

3 Door mass

110/140/170 kg: maximum weight capacity of the window

4 Fire resistance, for application on fire/smoke door assemblies

Requirements for application on fire doors not needed.

5 Safety

Grade 1: The mechanism is safe for the user.

6 Corrosion resistance according to EN 1670

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

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

7 Anti burglar device safety

Requirements for this category not needed

8 Type of mechanism operation

Grade 8: Type A, closing system for tilt-and-turn with internal opening

9 Dimension of test window:

110 Kg Version:

width up to 1300 mm

Maximum height: 1200 mm

140 e 170 Kg Version :

width up to 1550 mm

Maximum height: 1400 mm

Values shown in the table above are the results of tests carried out according to the same parameters used for the previous page tests.

* Weight capacities and application fields are guaranteed using our accessories on suitable profiles.
In case of bigger dimensions and weights, please, contact SAVIO or extruder technical dept.



SINCE 1889 QUALITY AND INNOVATION FOR CLOSING SYSTEMS.



Numbers:

Turnover for the year 2008: 80 millions of euro

Employees: 450 persons

R&D investment: 3.5% on the total turnover

More than 150 patents worldwide owned by the group and its companies

More than 5600 references on the catalogue

Most prestigious quality certification in the world

Manufacturing seats:

Head quarter and manufacturing seat at Chiusa di San Michele, Turin.

Manufacturing seats in Sant'Antonino di Susa (Turin), Trieste and Barcelona (Spain)

Representation seat in Shanghai, China

Sales Network:

Sales network: 87 persons

Official distributors in more than 60 countries around the world

More than 600 distribution centers around the world.

The power of ideas:

1. Mechanica, the adjustable hinge multi awarded that reduce drastically the adjustable times, tested until 5.000.000 cycles
2. Ribanta Incanto, the first tilt and turn with concealed hinges for Euro Grooves and NC International profiles.
3. Bernini the panic device tested until 2.000.000 opening/closing cycles ten times more than specified by the CE standards
4. Manon , the handle signed by Pininfarina
5. Ribanta 5. New born, is ready to revolutionize the tilt and turn market thanks to its rapidity, simplicity and sturdiness.

Above, 5 examples in which new constructive and qualitative standards have been redefined by Savio with its constant wish to improve the market answering to clients needs and becoming a standard for the entire sector.



Savio S.p.A.

Via Torino, 25 (s.s. 25) - 10050 Chiusa S. Michele (TO)
tel. +39 011 964 3464 - fax +39 011 964 3474

www.savio.it - savio@savio.it