Sliding windows and French windows NC-S 120 SD





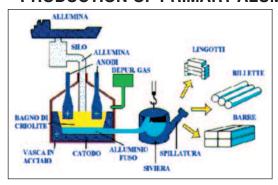




01**TABLE**

ALUMINIUM AND ECOLOGY

PRODUCTION OF PRIMARY ALUMINIUM



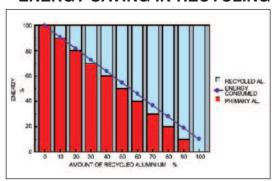
In nature the aluminium does not lie loose, but as a compound which makes up 8% of Earth crust.

The aluminium is the 3rd most widespread element in the World after oxvaen and silicium.

The bauxite is mined from the Earth crust; from the bauxite, by electrolysis, the aluminium oxide (alumina) is obtained: it is the raw material necessary for the production of primary aluminium.

From 4 kg bauxite we obtain 2 kg alumina, from which we obtain 1 kg aluminium.

ENERGY SAVING IN RECYCLING

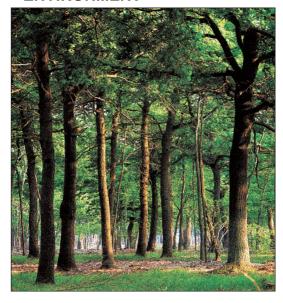


The quality of aluminium does not change when recycling.

The production scraps of the primary aluminium are directly recycled and re-utilised.

The re-melting of 1 kg aluminium requires only 5% of the energy employed for the production of the metal from the bauxite.

ENVIRONMENT



In the aluminium industry, the production of gases contributing to the greenhouse effect is due to the utilisation of fossil fuels and to the electrolysis process.

The emitted quantities of the above gases are very low and their influence on the total gases produced by the man are around 1% only.

However, the ever growing utilisation of aluminium in fields like the sector of transports, enables to reduce the weight of the vehicles, setting a limit to the emission of gases into the atmosphere; the utilisation of thermal break aluminium windows and doors enables a remarkable energy saving.

RECYCLING



The re-melting of aluminium requires a modest quantity of energy. In the recycling process it is necessary to employ only 5% of the energy required at the origin to produce the primary metal with material losses lower than 3%.

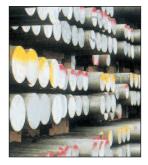
ALUMINIUM PROPERTIES

LIGHTNESS



The aluminium is an extremely light metal: its specific weight is 2.7 g/cm³, that means only one third of the specific weight of the steel.

RESISTANCE



The resistance of aluminium can be optimised with the addition of low quantities of other metals. Some particular alloys can make the resistance of aluminium similar to the steel.

RESISTANCE TO CORROSION



The spontaneous oxide coating protects the aluminium making it particularly resistant to corrosion. This feature can be improved by means of specific surface treatments.

MACHINABILITY



The aluminium can be used in the most various applications, thanks to the possibility to employ alloys which raise and complete its mechanical features.

• INFLAMMABILITY AND FIRE RESISTANCE



Thanks to its refractoriness features, the aluminium can be employed in the buildings and in the transport sector as well.



03 TABLE

Cleaning and maintenance of aluminium windows



With the respect of cleaning and maintenance rules here given, the aluminium windows will keep their own performances of air-water tightness and beauty of surfaces. In order to keep these qualities, the exposed profiles and surfaces must be subject to regular cleaning and maintenance.

The frequency of intervention depends on the building surrounding and must be higher when located near the coast, in industrial and highly polluted areas. The cleaning of aluminium profiles is very simple: it's enough to pass carefully over them with a soft sponge moistened with the proper detergent. The detergent must not be abrasive, not with a basis of ammonia, not with a basis of chlorine (ex: bleach) or alkaline or acid products.

The maintenance of the profiles for opening frames is often combined with the glass cleaning; we deeply recommend to clean the surfaces when they are not exposed to heat sources nor to the rays of the sun.



IMPORTANT NOTES

The aluminium anodised and painted can not be in contact with damp mortar or chalk. Then, during the masonry work, we always recommend to protect the opening and sash frames in order to avoid any possible damaging.

DO NOT USE

- Aggressive alkaline chemical products (ex. ammonia).
- · Strong acids.
- Hypochlorites (ex. bleach).
- Oxiding products.
- Nitro-acetone solvents.

WHAT TO USE

Water at max 30°C temperature and specific detergent for the cleaning of the aluminium parts of doors and windows anodised or painted.

METRA suggested products:

1) Mu 0455 - Kit for cleaning and maintenance of painted frames

including: Product for the regular cleaning of the painted aluminium

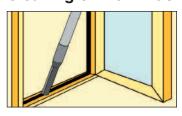
Specific product for the EPDM gaskets Spray product for lubrication of the hardware

2) Mu 0456 - Kit for cleaning and maintenance of anodised frames

including: Product for the regular cleaning of the anodised aluminium

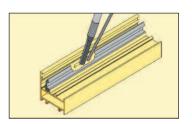
Specific product for the EPDM gaskets Spray product for lubrication of the hardware

Cleaning of the window



Cleaning inside the window

In order to guarantee a correct working, your window should be inspected at least once a year to check that no residue or extraneous body are in the grooves and in the slides of the frame itself. This operation prevents the eventual obstruction of the drainage holes, enabling the window to keep its performances.



Cleaning of the drainage holes

Clear away the dust and dirt with a vacuum cleaner and, should the drainage holes be obstructed, remove the occlusion with the help of a tool similar to a rod.

Maintenance of the accessories

Apart from cleaning the profiles, it is necessary to provide for the maintenance of the weather gaskets and of the accessories and repair, if necessary, the damaged parts. All opening frames and relevant lock points must be subject to maintenance, using a silicone or teflon spray, and any wearing level must be checked.

1) Spray for hardware

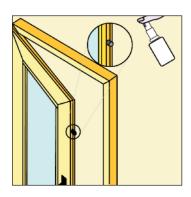
The opening parts and all lock points must be lubricated with oil or anti-acid grease.

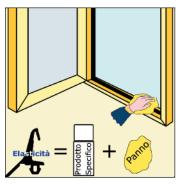
The spray leaves a protective film over the treated parts, improving the movement and attenuating any possible troublesome noise.

2) Product for gaskets

Cleaning the gaskets by a cloth damped with the indicated product at least twice a year, will enable the gaskets to keep their correct elasticity.

In case of damages due to negligence or insufficient maintenance, any possibility to appeal to the guarantee is excluded. The utilisation of a non recommended product releases METRA from the responsibility of any damage caused to the frames.





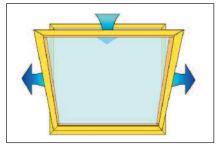
Ventilation of the rooms

Your new windows Metra guarantee high performances of air and water tightness required by the specific Standards for the energy saving.

The lack of air exchange between indoor and outdoor can cause the increase of the relative humidity ratio of which, vice-versa, in order to limit the condensation, must be kept at a normal level, operating as per figures A and B.

Other possible sources of humidity in the houses could be:

A) Heating on Ventilate the rooms as per the figure many times a day



Ventilate the rooms as per the figure for long time depending on the utilisation.

Water boiling, food cooking, washing, shower, for about 5 minutes.

indoor plants, number of persons in the rooms, etc.

The humid air deposits itself on the windows and non-porous materials (ex. glass) in form of condensation and on the walls in form of eventual moulds and stagnation stains.

The condensation starts to form when the temperature of the walls in the room is lower than the temperature called "temperature of dew".

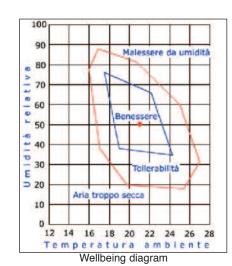
The temperature of dew is determined by the two following factors:

- -Relative humidity ratio inside the rooms
- -Temperature inside the rooms

The ventilation of the rooms brings the air humidity to regular values. By a short and repeated aeration, there is a low waste of energy and an efficient exchange of air is guaranteed.

The inhabiting wellbeing, as shown in the figure, is reached in function of the room temperature and of the relative humidity.

Example: by a room temperature of 21°C and relative humidity of 50% we reach a condition of WELLBEING.





GENERAL NOTES

Weight of aluminium profiles. The given weight is the nominal one, it can change according to thickness and dimensional tolerances of the profiles (EN 12020-2).

Dimensions of aluminium profiles. The given dimensions are the nominal ones, they can change according to extrusion dimensional tolerances (EN 12020-2).

This variability affects all Aluminium profiles, it can influence, event though minimally, the cutting dimensions and therefore the final dimensions of the frame.

The painting increases the thickness and concurs in varying the aluminium profiles dimensions and particularly, it reduces the space in the insertion seats of gaskets and accessories.

Cutting dimensions.

The nominal cutting dimensions given in this catalogue are the exact ones. In certain circumstances, during the fabrication, they will have to be rounded off, according to precision and type of programming of the measures on the machines used in one's works.

Fabrication of the frames.

We suggest, in the first production or before starting any major works, to produce a dimensional sample in order to check the assembly and the mechanical and weatherproof features of the accessories.

Length of the bars.

The commercial length of the bars of this series is 6500 mm.

The ordinary glazing beads have 6000 mm length, the rounded ones have 6500 mm length.

Installation tolerances. Between the internal side of the counterframe and the external side of the sash frame we allow an installation tolerance of 6 mm. This value can be modified, in case of particular requirements, provided that all application features are considered: a double overlapping and an efficient water permeability and air tightness must be always guaranteed.

Reference of dimensions. The reference of the dimensions L and H shown in the catalogue corresponds to the one set out in the software program for the automatic elaboration of estimations and cutting lists.

Wall installation.

The description of some wall installation schemes for the frames does not have a restrictive value, it is only a suggestion, also for designers, how to solve in a simple and practical way this particular and important problem of the frames.

Quantity of accessories. The quantities of accessories referred in the frames fabrication tables are those prescribed and tested in order to obtain the best functionality and resistance to any stress, to which a frame is usually subjected.

Utilisation.

Metra is not responsible for a utilisation of the system different from the prescription in the present catalogue.

Finishing.

In order to limit the process of threadlike corrosion one must follow some important rules, such as:

- Utilisation of extruded corner cleats and staples alloy EN AW-6060
- Utilisation of stainless steel screws
- Sealing of the cut sides
- Avoiding condensation stagnation inside the frame
- Taking care during the installation

The thermal break profiles of the present building system, when painted, must go through a thermic treatment at 180°C temperature (-0°C +20°C) for 20-22 minutes.

During the whole painting process, the aluminium profiles must be duly supported in order to maintain the initial straightness and not to be subject to deformations.

All sections, connections, assembly, machining and fittings given in the METRA drawings and catalogues correspond to the actual state of technics and have been defined with accuracy and competence.

They represent a free service that, without obligation, gives proposals and suggestions to the fabricator.

The fabricator must verify directly, at the moment of utilisation, if the proposals correspond to and if they are applicable to the case under examination, as the many-sided practical solutions can not be all illustrated in the catalogues.

- The profiles, the accessories and the gaskets in this catalogue have all been patented.
- All data given in the present catalogue are indicative and are not binding for METRA S.p.A.
- METRA S.p.A. reserves the right to bring, in every moment, all modifications it will consider suitable in order to improve its products.
- All materials illustrated in present catalogue are of exclusive property of METRA S.p.A. and, under law terms, in lack of expressed authorization, all rights are reserved, even partial.

The system has been studied in its totality of profiles, gaskets and accessories according to the fabricating and applicative technology indicated in the technical catalogue and according to the currently existing rules, prescriptions and recommendations in Italy, all this has determined also the dimensional limits here given.

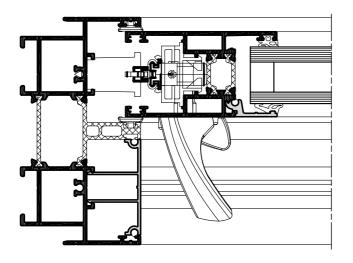
On this base all laboratory tests have been executed and the given results have been achieved.

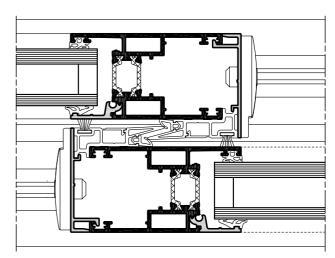
Then, it is absolutely essential to use original METRA profiles, gaskets and accessories and to perform the given fabricating and applicative processes, using "original METRA equipments".

The non-utilisation, also partial, of the original METRA products cuts out every possibility of recourse against METRA, who will recognise only the replacement of those products which should result to have a fabrication default.

The presence of non-certified solutions in this catalogue does not involve any responsibility from METRA.

Replaces table of 10 NC-S 120 SD General notes 09/07/2010





Technical description of the system:

- Thermally insulated extruded profiles, alloy AW 6063 T5
- Frame 120 mm thickness
- Sash 80 mm width
- Sash load: 200 kg
- Center node 90 mm
- Multi-point locks with or without cylinder
- Typologies:
 - Fixed side sash built in the frame + one or two sliding sashes
 - Two sliding sashes
 - Four sliding sashes on two tracks
 - Fised side sashes, upper and lower, with independent frames
 - Combination with sashes from NC 65 STH series
- Machinings:
 - Frame cut:
 - 45° and junction by corner keys
 - 90° and assembly by screws
 - Sash cut at 45°, junction by corner keys and internal glass stop
- Glazing:
 - Insutating glazing 20 to 32 mm thickness



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TECHNICAL SPCIFICATIONS

The windows will be manufactured with profiles extruded from aluminum alloy EN AW 6060 (EN 573-3 and EN 755-2) with temper designation EN 515.

The frame must have a total depth of 120 mm, the assembly must be done with cut at 45° and fixing of the corner ensured by aluminum corner keys plugged and/or crimped, or with cut at 90° and fixing of the corner with stainless steel screws.

The sash must have a total depth of 45 mm, the assembly must be done with cut at 45° and fixing of the corner ensured by aluminum corner keys plugged and/or crimped.

The thermal break must be obtained by the insertion of bars made of polyamide reinforced with fibreglass (Pa 6.6 GF 25) with total depth 22 mm or 38 mm (frame) and 22 mm (sash).

The mechanical blocking must be done with external stitching, with previous knurling of the aluminum seats in order to prevent from any scliding of the profile itself, in conformity with the technical guide (UEQTC) for metallic profiles windows with improved thermal performances.

Water drainage slots must be done in the lower side of the frame; this one must provide a track made of polyamide reinforced with fibreglass or made of stainless steel, for the sliding of the carriage; both of them must be replaceable.

The cut of corners of frame and sash must be sealed with material suitable to ensure the tightness.

Ventilation slots must be done in the sash.

The tightness must be ensured by specific EPDM gaskets or brush gaskets, placed along the whole perimeter of the sash and the frame.

The sliding of the sashes is done thanks to slide-only or lift-and-slide hardware.

The accessories and gaskets must be the original ones designed and produced for the system.

The windows must have air permeability, water tightness and wind load resistance performances in conformity with standards EN 12207 - 12208 - 12210 and EN 1026 - 1027 - 12211

- Air permeability:	class	
- Water tightness:	class	
- Wind load resistance:	class	



SURFACE FINISHING

The protection and finishing of the profiles surfaces must be carried out by anodising or painting.

Anodising

The anodising must be carried out in conformity with the standards ISO 7599 (Anodising of the aluminium and its alloys – General specifications for the oxide coating) on the profiles which must be submitted to a surface pre-treatment by mechanical brushing or chemical glazing, with the choice of the following available finishing:

- · A1S Silver Brushed
- · A1C Silver Chemical
- · B7S Bronze Brushed
- B7C Bronze Chemical
- · E6S Electrocolour 6 Brushed
- E6C Electrocolour 6 Chemical
- · E7S Electrocolour 7 Brushed
- · E7C Electrocolour 7 Chemical
- · E8S Electrocolour 8 Brushed
- · E8C Electrocolour 8 Chemical
- As per customer's sample

The oxide thickness must be checked in conformity with the standards ISO 2360 (Non-conductor coating on basic non-magnetic metals – Measure of the thickness of the coating and method of the induced currents).

The quality of the fixing of the oxide coating must be checked in conformity with the standards ISO 3210 (Anodising of the aluminium and its alloys – Quality valuation of the fixing of the oxide coating by the measurement of the loss of weight after immersion into phosphochromic solution).

The treatments must be guaranteed with quality label QUALANOD and carried out by a company certified ISO 9001:2000.

The type of colour and thickness of oxide will be chosen by the Board of Directors of Works.

Oxide thickness: class 10, 15, 20 microns following to the customer's requirements.

The anodising can be carried out by cold fixing or by hot fixing method.

Painting

The painting must be carried out in conformity with the quality label QUALICOAT and must be of the powder type, in the colour chosen by the Board of Directors of Works on the catalogue ALCOLORS.

Before the painting, the surface of the profiles must be treated with the following operations:

- acid degreasing at 50° C
- double washing with demineralised water
- alkaline pickling at 50° C
- double washing with demineralised water
- acid deoxidation
- · double washing with demineralised water
- chromate treatment at about 30° C
- washing with demineralised water
- · specific washing with demineralised water
- drying
- painting by polyester powders with electrostatic application
- polymerisation in oven at 180° C 200°C.



In order to guarantee the duration and weatherproof of the paint coating, some check will have to be carried out during the painting cycle; the most important are:

- 1. Test of the temperature of polymerisation
- 2. Adhesion test in conformity with EN ISO 2409 ("grill cut" test)
- 3. Test of resistance to bending in conformity with EN ISO 1519 (bending with cylindrical spindle)
- 4. Test of resistance to dishing in conformity with EN ISO 1520
- 5. Shock resistance test in conformity with ASTM D 2794
- 6. Brightness test in conformity with ISO 2813 (measurement of brightness ratio of the non-metallic paints at 20°, 60°, 85° inclination)
- 7. Hardness test in conformity with EN ISO 2815 (hardness Buchholz)
- 8. Valuation of the adhesion in humid conditions with Machu Test, in conformity with UNI 9983

The painting must be carried out applying totally the prescriptions of the "Directives of the quality trademark QUALICOAT of the painted aluminium (with liquid or powder products) applied in the architecture".

The colour will be chosen by the customer upon sample supplied by the fabricator.

The surface treatment must be carried out by plants certified by the quality trademarks QUALANOD for the anodising and QUALICOAT for the painting, by a Company certified ISO 9001:2000.

The powders employed must be type-tested QUALICOAT and be produced by Companies certified ISO 9001:2000.

The finishing can be checked in conformity with the prescriptions of the Directives of the quality trademarks QUALANOD and QUALICOAT.

UTILISATION LIMITS

When the designer or the fabricator calculate the maximum dimensions of the curtain wall and frames, they must consider and evaluate not only the dimensions and inertia of profiles, but also the application and meteorological factors such as the height above the ground, the exposure to rain and wind speed in the area.

CERTIFICATIONS

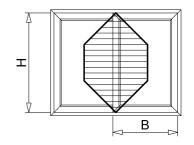
CERTIFICATIONS

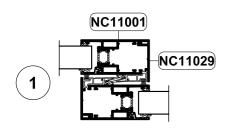


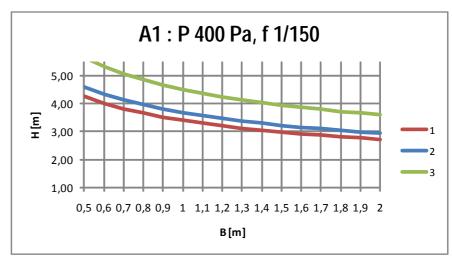
12 TABLE

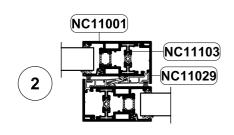
STATIC LIMITS PRESSURE 400 Pa

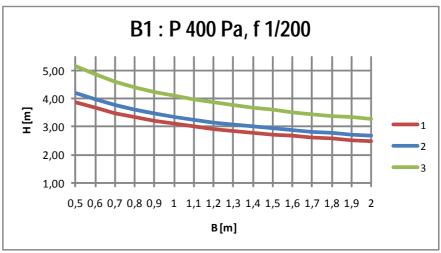


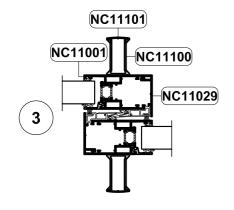


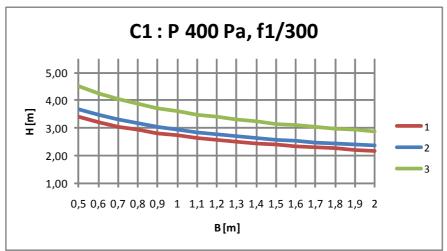










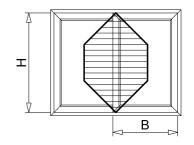


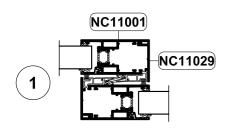


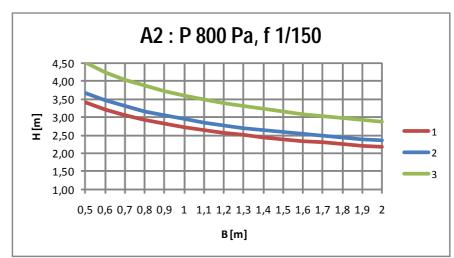
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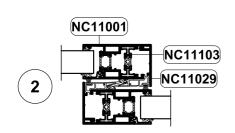
STATIC LIMITS PRESSURE 800 Pa

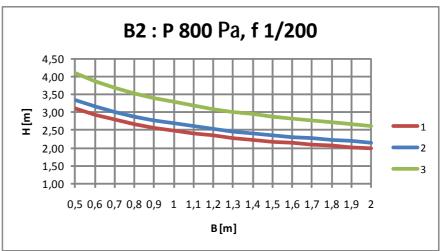


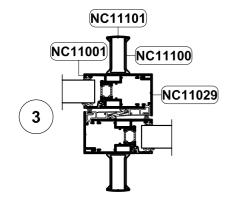


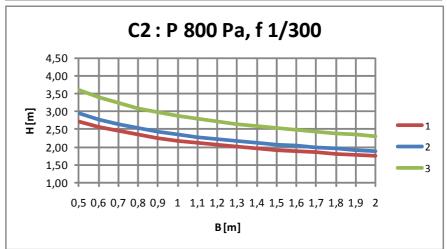










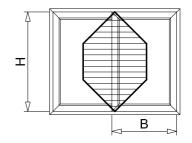


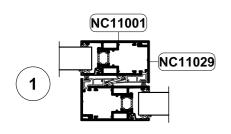


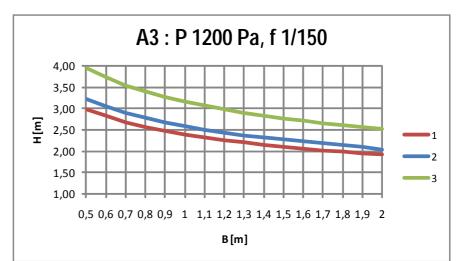
14 TABLE

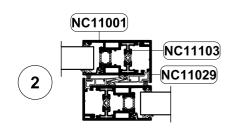
STATIC LIMITS PRESSURE 1200 Pa

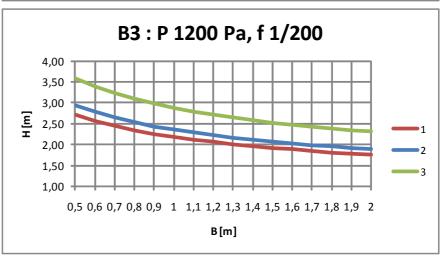


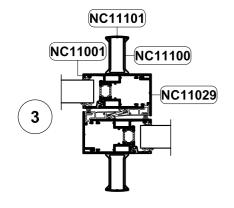


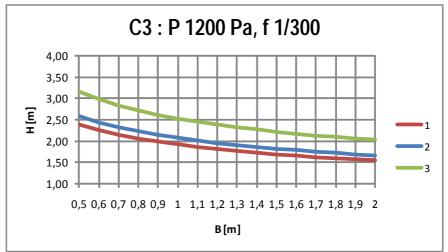










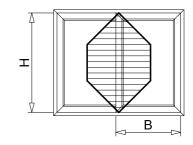


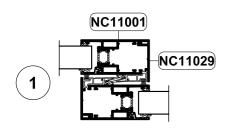


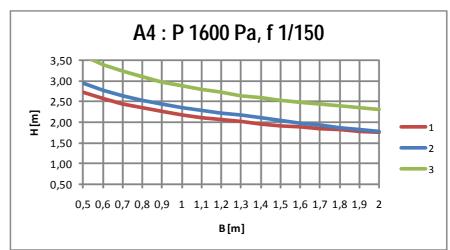
15 TABLE

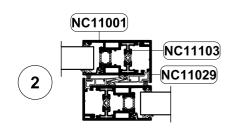
STATIC LIMITS PRESSURE 1600 Pa

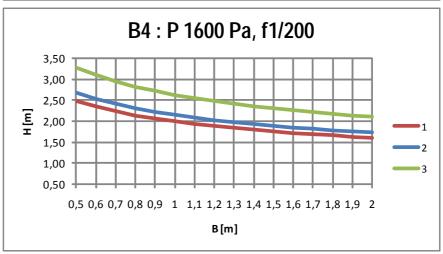


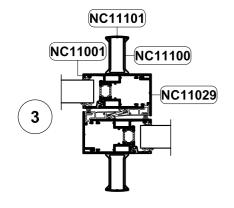


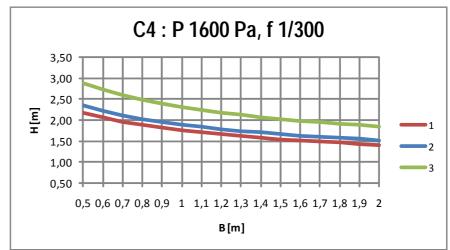










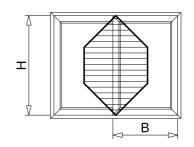


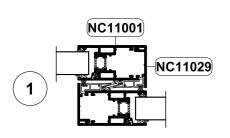


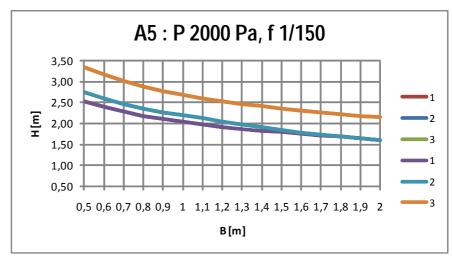
16 TABLE

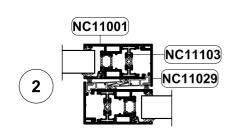
STATIC LIMITS PRESSURE 2000 Pa

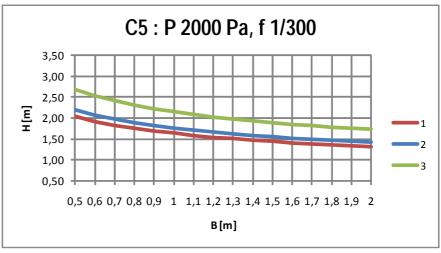


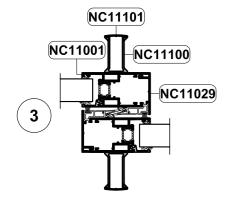


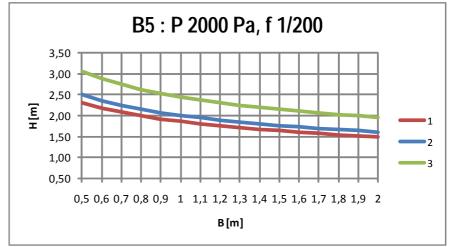














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CODE	DRAWING	UTILIZATION	CODE	DRAWING	UTILIZATION
Ma 0827		Long handle	Ma 4409		Water drainage
		Material: Aluminium			Material: Nylon
Ma 0962		Cylinder cover	Ma 5521		Water drainage bush with membrane
		Material: Zinc alloy			Materiale: Nylon
Ma 0963		Cylinder cover	Ma 6340		Vent stop plug
		Material: Zinc alloy			Materiale: Nylon/Rubber
Ma 0964		Cylinder cover	Ma 6346	Strang of	Hardware 1 closing point
		Material: Zinc alloy			Material: Stainless steel
Ma 2482		Pin 8x11mm	Ma 6347		Hardware 2 closing points
		Material: Zinc alloy			Material: Stainless steel
Ma 2410		Pin for corner key	Ma 6348		Hardware 3 closing points
		Material: Zinc alloy			Material: Stainless steel
Ma 2411		Screw for corner key	Ma 6349		Hardware 3 closing points pre-set for cylinder
		Material: Zinc alloy			Material: Stainless steel
Ma 2492		Crimping corner key			
		Material: Aluminium			



73c Acc SYSTEM GROUP

02 PAGE

CODE	DRAWING	UTILIZATION	С
Ma 6351		Handle mod. Estivale	M 65
D/S		Material: Alluminium	
Ма 6353		Handle mod. Estivale	6:
		Material: aluminium	
Ma 6359		Wall adjustment	6:
		Materiale: Nylon	
Ma 6361	8. 9m√ 3 3 8. e o e g = g	Hardware 1 closing point pre-set for cylinder	 6
		Material: Various	
Ma 6371		Handle mod. Hera	6:
		Material: Zinc alloy	
Ma 6500		Corner key	6:
		Material: Zinc alloy	
Ma 6501	9	Alignment corner key	6:
		Material: Nylon	
Ma 6502		Corner key	6:
		Material: Nylon	

CODE	DRAWING	UTILIZATION	
Ma 6503		Alignment corner key	
		Material: Nylon	
Ma 6504		Alignment corner key	
		Material: Nylon	
Ма 6506		Track (3,2 m bar)	
		Material: Various	
Ма 6507		Shim for lock	
		Material: Zinc alloy	
Ma 6508		Lock catch	
	6	Material: Zinc alloy	
Ma 6509		Screw 4x14mm	
		Material: Zinc alloy	
Ma 6510		Shaped plug	
		Material: Zinc alloy	
Ma 6511		Shim for lock	
		Material: Nylon	



73c Acc SYSTEM GROUP

03 PAGE

CODE	DRAWING	UTILIZATION	CODE	DRAWING	UTILIZATION
Ma 6512		Kit lower caps	Ma 6522		Window handle Marina combined with internal concave handle
		Material: Nylon			Material: EPDM
Ma 6513		Kit caps for sash	Ma 6523		Pull handle EOS MP
		Material: Nylon			Material: Various
Ma 6516		Wrong movement stop	Ma 6524		Cap for Ma6517
		Material: Nylon			Material: Various
Ма 6517		Anti-lifting cap	Ma 6525		Carriage (100 kg)
		Material: Nylon			Material: Nylon
Ma 6518		Lock catch	Ma 6527	147	Caps for Mg150p
	Ø	Materiale: Ixef			Material: Nylon
Ma 6519		Lock catch small	Ma 6528		Water drainage cap
	89	Materiale: Ixef			Material: Nylon
Ma 6520	f nj.	Kit caps for sash junction	Ma 6529	part of the second seco	Lock 2 or 4 closing points
		Material: Aluminium			Material: Various
Ма 6521		Window handle Cassiopée			
		Material: Various			



73 acc SYSTEM GROUP

04 TABLE

CODE	DRAWING	UTILIZATION	CODE	
Ma 6530		Lock 2 closing points	Ma 6542	
		Materiale: Various		
Ма 6531		Lock extension	Ma 6544	
		Material: Stainless steel		
Ма 6532	(E)	Lock catch kit	Ma 6547	
		Material: Various		
Ма 6533		U-bolt kit for fixed frame	Ma 6549	
		Material: Aluminium		
Ma 6534		Lock catch fixing plate	Ma 6550	
		Material: Various		
Ma 6535		Cylinder holder for Ma6529	Ma 6551	
		Material: Various		
Ma 6536		Glass shimming base	Ma 6553	
		Material: Nylon		
Ma 6541		Pull handle EOS mini	Ma 6554	
		Material: Various		,

CODE	DRAWING	UTILIZATION	
Ma 6542		Window handle Marina special fixing	
		Material: Nylon	
Ma 6544	RR	Window handle Marina fixing kit	
		Material: Vari	
Ma 6547		Window handle Marina single fixing	
	5	Materiale: Various	
Ma 6549		Window handle Athena	
		Material: Various	
Ma 6550		External window handle Cassiopée	
		Material: Various	
Ma 6551		External window handle Athena	
	M	Material: Nylon	
Ma 6553		Glass shim 100x32x1 mm	
		Material: Nylon	
Ma 6554		Glass shim 100x32x2 mm	
		Material: Nylon	



73c acc SYSTEM GROUP TABLE

05

CODE	DRAWING	UTILIZATION		CODE	DRAWING	UTILIZATION
Ma 6555		Glass shim 100x32x4 mm		Ma 9142		Upper track tightness kit
		Material: Nylon				Material: Vari
Ma 6556		Lower extension for lock		Ms 3003		Cylinder 70.8 mm
		Material: Nylon				Material: Vari
Ма 6557		Connection piece for upper fixed frame				
	<u>~~~</u>	Material: Nylon				
Ma 6579		Cap for NC11100				
		Material: Nylon				
Ма 6580		Water drainage valve				
		Material: Abs				
Ma 6581		Concave handle				
		Material: Nylon				
Ма 7630		Glass shimming base				
7030		Material: Nylon				
Ma 7634		Water drainage cap with membrane				
		Material: Nylon				



73 acc 06 SYSTEM GROUP TABLE

CODE	DRAWING	UTILIZATION	CODE	DRAWING	UTILIZATION
Mu 0196	VIG.	Milling group for frame NC70201	Mu 0500	1	Glue for gaskets
	SALES	Material:			Material:
Mu 0440		Bi-component sealant	Mu 0501		Sealant for Mu 3200
		Material:			Material:
Mu 0441		Manual gun for bi-component Mu 0440	Mu 0706	(A)	Screw 4,8 x 16
	, ,	Material:			Material: Stainless steel
Mu 0442		Pneumatic gun for bi-component Mu 0440	Mu 0740		Screw 4 x 40
	*	Material:			Material: Stainless steel
Mu 0443		Mixer for Mu 0440	Mu 0741		Screw 4.8 x 45
		Material:		P	Material: Stainless steel
Mu 0467		Primer	Mu 2102		Plugging crimping machine with automatic loader
		Material:			Material: Various
Mu 0471		Trasparent silicone	Mu 2103		Pneumatic hammer
	Han.	Material:		ab a	Material: Various
Mu 0481		Low modulus neutral silicone			
		Material:			



73c acc 07 SYSTEM GROUP TABLE

CODE	DRAWING	UTILIZATION		CODE	DRAWING	UTILIZATION
Mu 4000		Punching machine power unit 4 punch		Mu 4108		Punch unit Holes for corner key
		Material: Various				Materiale: Various
Mu 4001		Punching machine power unit 2 punch		Mu 4109		Punch unit Frame drainage
	& & &	Material: Various				Materiale: Various
Mu 4100		Punch unit Frame drainage		Mu 4110		Punch unit Holes for corner key
		Materiale: Various				Materiale: Various
Mu 4101		Punch unit Frame drainage		Mu 4117		Punch unit Additional profile machining
		Materiale: Various				Material: Various
Mu 4102		Punch unit Frame drainage		Mu 4118		Punch unit Additional profile machining
		Materiale: Various				Material: Various
Mu 4103		Punch unit Frame drainage		Mu 4134		Punch unit Frame drainage
		Materiale: Various				Materiale: Various
Mu 4104		Punch unit Holes for corner key				
		Materiale: Various				
Mu 4107		Punch unit Holes for corner key				
		Materiale: Various				



73c Gaskets 01 SYSTEM **GROUP PAGE**

CODE	SECTION	UTILIZATION		CODE	SECTION	UTILIZATION
Mg 150p		Spacer for central junction		Mg 161d		Gasket for glass 25-26 mm
		Materiale: PVC				Material: EPDM
Mg 151d		Gasket for Mg 150p		Mg 162d		Gasket for glass 23-24 mm
	~ (~)	Materiale: EPDM			Material: EPDM	
Mg 152tp	775	Frame gasket for sliding		Mg 165p		Shim for fixed sash
	Ħ)	Material: Elaprene				Materiale: Pvc
Mg 153d	0	Gasket for glass stop		Mg 166s		Frame brush "trifin"
		Materiale: EPDM				Material: Polypropilene
Mg 157p		Spacer for small central junction		Mg 204s		Brush 7x7 mm
		Materiale: PVC				Material: Polypropilene
Mg 158d		Gasket for glass 31-32 mm		Mg 386d		External gasket for glass
		Material: EPDM				Material: EPDM
Mg 159d	1	Gasket for glass 29-30 mm		Mg 612d		Internal gasket for glass
		Material: EPDM				Material: EPDM
N.4		Gasket for glass 27-28 mm		N4		Internal gasket for glass
Mg 160d				Mg 613d		
	71	Material: EPDM				Material: EPDM



73c Gaskets 02 SYSTEM GROUP PAGE

CODE	SECTION	UTILIZATION	CODE	SECTION	UTILIZATION
Mg 614d		Internal gasket for glass			
		Materiale: EPDM			
Mg 661s		Brush for Mg 150p			
		Materiale: Polypropilene			
Mg 761d	LIT (External gasket for glass			
		Materiale: EPDM			



73c A 01 SYSTEM GROUP PAGE

PROFILE CLASS

What is the Profile Class?

Is the fastest way to know if a shape is available for production

How many classes do we have?



1. Class Y: Extrusion die available at Metra Systems.



Profiles available on short term
Minimum quantities requiered
Please verify term and conditions with
Metra Systems sales department



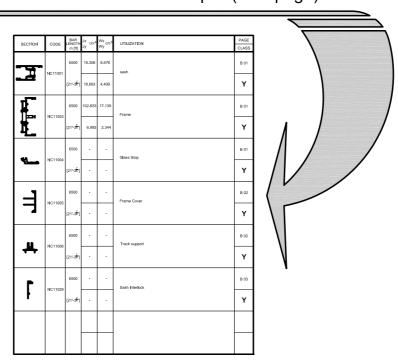
2. Class N: Extrusion die is not available at Metra Systems.



Please verify term and conditions with Metra Systems sales department

Where do I see the Profile Class?

At the Profile Chart - Group A (next page)





PAGE

SECTION	CODE	BAR LENGTH	Ix cm ⁴	Sx _{cm³} Sy ^{[in³}]	UTILIZATION	PAGE
HEM .		m [ft]	18.693 [0.449]	4.499 [0.275]		CLASS B 01
[[]	NC11001	[21'-3 ⁷ / ₈ "]	16.306 [0.392]	6.676 [0.407]	sash	Y
	NC11003	6500	104.449 [2.508]	17.408 [1.062]	Frame	B 01
耳		[21'-3 ⁷ ₈ "]	7.282 [0.175]	2.421 [0.148]		Y
<u></u> «N	NC11004	6.096	-	-	Glass Stop	B 02
71		[20]	-	-		Y
	NC11005	6500	-	-	Frame Cover	B 02
		[21'-3 ⁷ 8"]	-	-		Y
	NC11006	6500	-	-	Track support	B 02
ا کاکال	14011000	[21'-3 ⁷ 8"]	-	-		Y
&1 &		6.096 NC11007	096 -	-	Glass Stop	B 03
	11011007	[20]	-	-		Y
F	NC11029	6500	-	-	Sash Interlock	B 03
 	14011029	[21'-3 ⁷ / ₈ "]	-	-		Υ

NC-S 120 SD	Profiles	replaces page of	2011/04

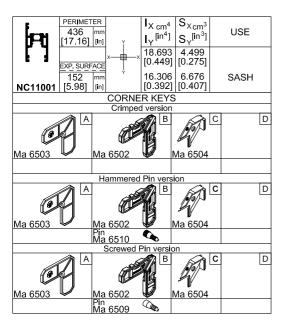


PAGE

SECTION	CODE	BAR LENGTH m [ft]	Ix cm ⁴	Sx _{cm³} Sy ^{[in³}]	UTILIZATION	PAGE
		m [ft]	31.716 [0.762]	6.506 [0.397]		CLASS B 04
<u></u>	NC11052	[21'-38"]	26.67 [0.641]	9.738 [0.594]	Mullion	Y
<u></u>	NC11070	6500	53.396 [1.283]	10.146 [0.619]	Frame	B 04
		[21'-3 ⁷ "]	10.644 [0.256]	2.656 [0.162]		Y
	NC11100	6.096	6.751 [0.162]	2.373 [0.145]	Reinforcement	B 05
	NOTTIOO	[20]	2.562 [0.062]	1.706 [0.104]		Y
	NC11101	6500	-	-	Frame Cover	B 05
7-7	NCTTIOT	[21'-3 ⁷ "]	-	_		Y
	NC11107	6500	-	-	Complementary profile	B 05
	NCTTIO7	[21'-3 ⁷ / ₈ "]	-	-		Υ
	NC70195	6500	5.351 [0.129]	2.609 [0.159]	Reinforcement	B 06
	14070193	[21'-3 ⁷ 8"]	0.382 [0.01]	0.444 [0.027]		Y
]	NC70201	6500	137.783 [xxxx]	22.964 [xxxx]	Frame	B 06
	NG/0201	[21'-3 ⁷ 8"]	19.501 [xxxx]	5.228 [xxxx]		Y

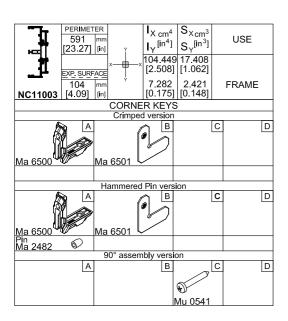
NC-S 120 SD	Profiles	replaces page of	DATE	
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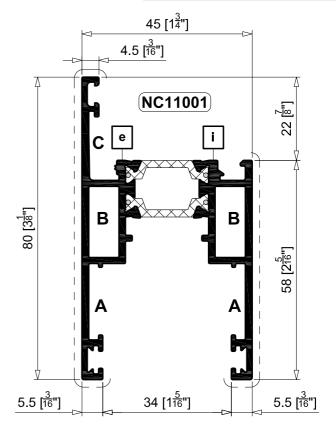
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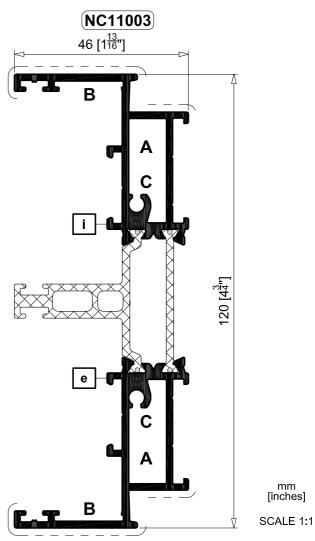
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ER	NC11000	207 [8.15]	63 [2.48]
e " 🖵 "	NC11012	266 [10.47]	89 [3.50]
£/_73	966605		



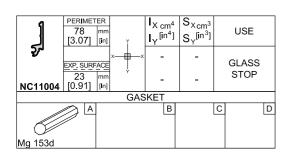
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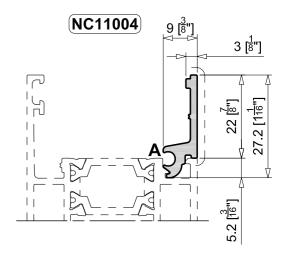
٠	30 31.211.13				
SI	HAPE	CODE	OUT, PERIMETER	EXPOSED SURFACE	
i		NC11002	258 [10.16]	52 [2.05]	
е		NC11002	258 [10.16]	52 [2.05]	
	ĮĮ,	343800			
8		327800			

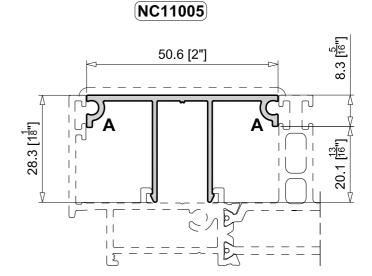




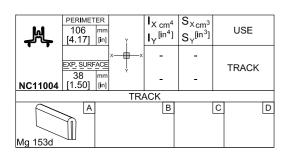


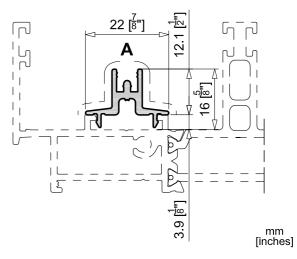






NC11006

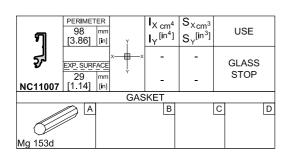


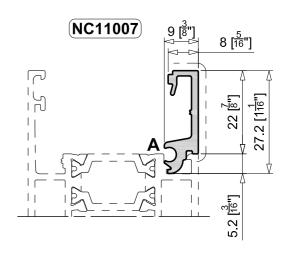


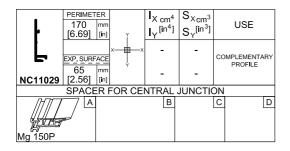
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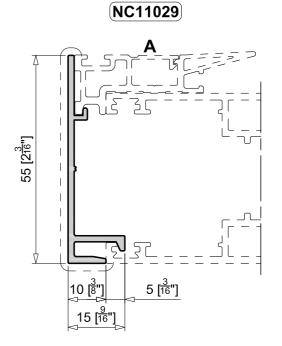
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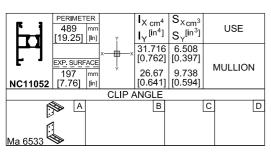
mm [inches]

SCALE 1:1

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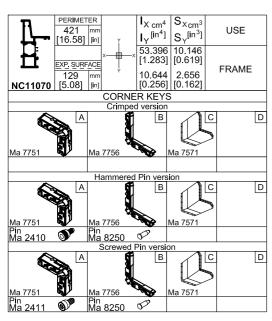






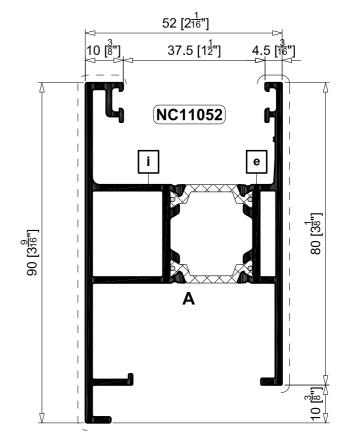
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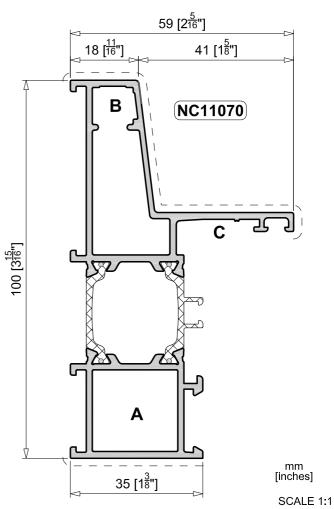
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е ——	NC11050	227 [8.94]	90 [3.54]
\$3	966605		



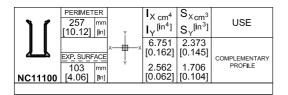
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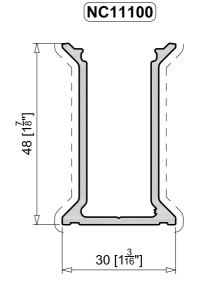
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	346700		

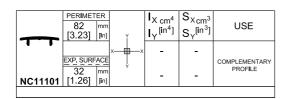


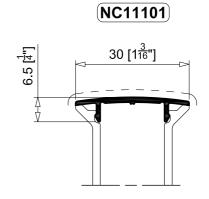


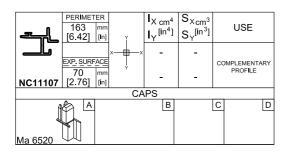




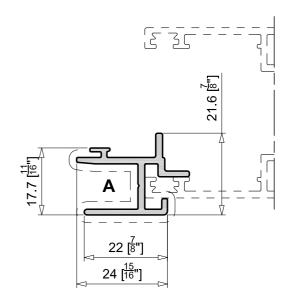






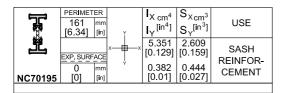


NC11107



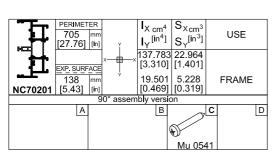


NC70195



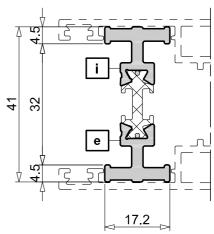
COMPONENTS

SHAPE	CODE	OUT. PERIMETER	EXPOSED SURFACE
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e 🖺	NC11102	89 [3.50]	0 [0]
Ţ	207700		

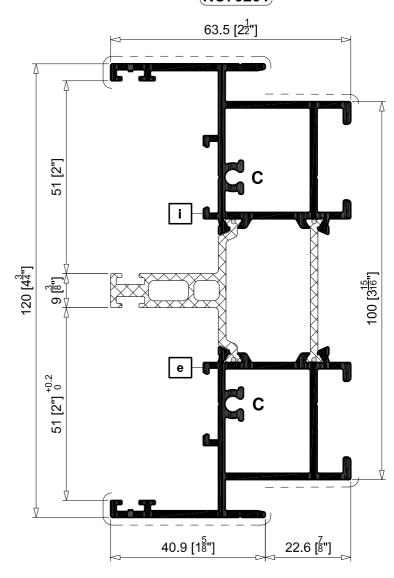


COMPONENTS

SHAPE	CODE	OUT, PERIMETER	EXPOSED SURFACE
i h	NC70200	328 [12.91]	69 [2.72]
е 🖽	NC70200	328 [12.91]	69 [2.72]
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	327800		



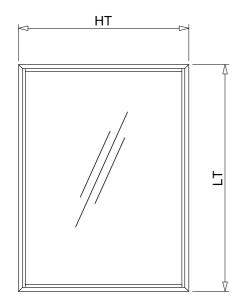
NC70201

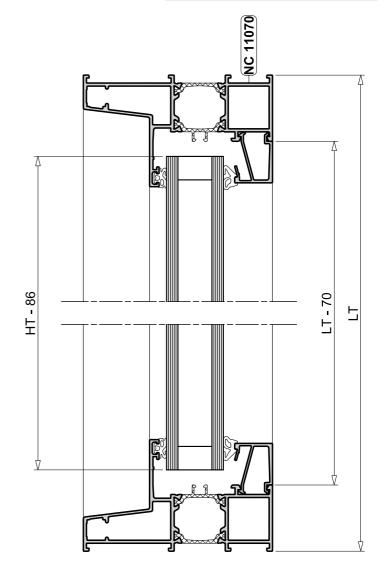


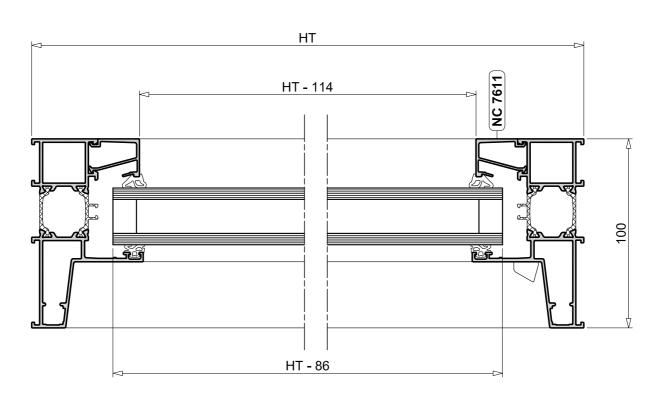


73c C 01 SYSTEM GROUP TABLE

CUTTING SCHEME SOLUTION 1 FIXED WINDOW

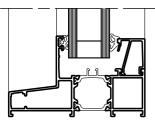




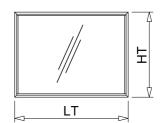




01tab_1 TABLE



FOR THE SASHES DIMENSIONS REFER TO THE STATIC DIAGRAMS OF THE CATALOGUE

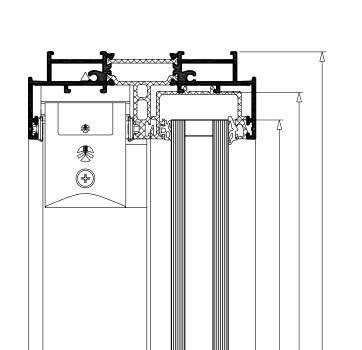


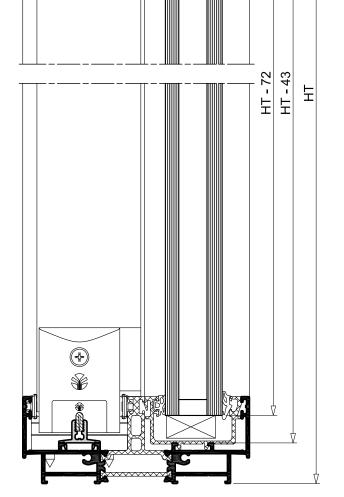
G	<i>3</i> 6 <i>3</i>		17	<i>ν</i>	
CODE	PROFILES	QTY		СИТ	
IC11070	VERTICAL FRAME	2	/	HT	
	HORIZONTAL FRAME	2		LT	
	VERTICAL GLASS STOP	2		HT - 114	
	HORIZONTAL GLASS STOP	2		LT - 70	
CODE	PROFILES	QTY		CUT	
Mg 613d	GLASS VERTICAL INTERNAL GASKET	2		HT - 116	
Mg 613d	GLASS HORIZONTAL INTERNAL GASKET	2		LT - 72	
Mg 386d	GLASS VERTICAL EXTERNAL GASKET	2		HT - 116	
Mg 386d	GLASS HORIZONTAL EXTERNAL GASKET	2		LT - 72	
CODE	ACCESSORIES		QUANTITY F	OR WINDOW	
Ma 2410	PLUG FOR MA7751		}	3	
Ma 7571	EXTERNAL ALIGNMENT CORNER KEY		4	4	
Ma 7630	WATER DRAINAGE CAP		2	2	
Ma 7634	GLASS SHIM		2	2	
Ma 7751	INTERNAL CORNER KEY			4	
Ma 7756	EXTERNAL CORNER KEY			1	
	GLAZING	FIXED	2 SHEETS	HT - 86	LT - 86
				l .	I

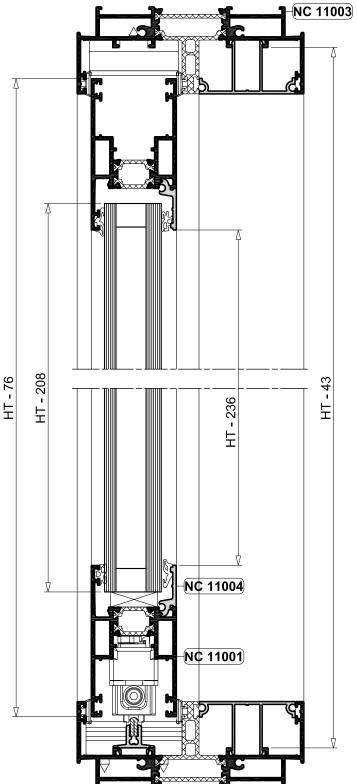
NC-S 120 SD	Cutting schemes	replaces table of	01/07/2010
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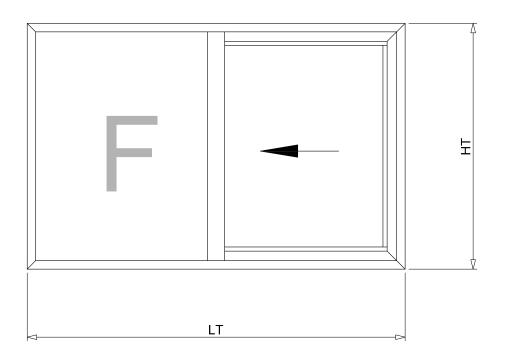
02 TABLE

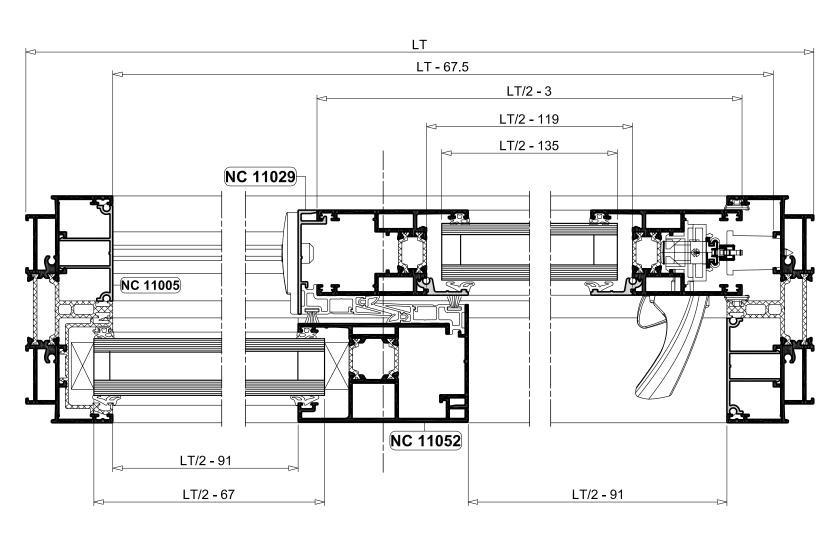
CUTTING SCHEME SOLUTION 1 SASH + 1 FIXED











NC-S 120 SD

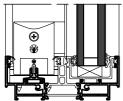
Cutting schemes

replaces table of DAT

01/07/2010



73c C 02tab_01 SYSTEM GROUP TABLE



FOR THE SASHES DIMENSIONS REFER TO THE STATIC DIAGRAMS OF THE CATALOGUE



<u> </u>					
CODE	PROFILES	QTY		сит	
NC11001	VERTICAL SASH	2	4	HT - 76	7
NC11001	HORIZONTAL SASH	2	∠	LT/2 - 3	7
NC11003	VERTICAL FRAME	2		HT	7
NC11003	HORIZONTAL FRAME	2		LT	7
NC11004	VERTICAL GLASS STOP	2		HT - 236	
NC11004	HORIZONTAL GLASS STOP	2		LT/2 - 119	
NC11005	VERTICAL FRAME COVER	2		HT - 43	
NC11005	HORIZONTAL FRAME COVER	2		LT/2 - 91	
NC11006	SUPPORT FOR GUIDE	1		LT - 67.5	
NC11029	SASH INTERLOCK	1		HT - 45	
NC11029	SASH INTERLOCK	1		HT - 76	
NC11052	MULLION	1		HT - 43	
CODE	GASKETS	QTY		CUT	
Mg 150p	SPACER FOR CENTRAL JUNCTION	2		HT - 134	
Mg 151d	GASKET FOR CENTRAL JUNCTION	2		HT - 134	
Mg 152tp	SLIDING GASKET FOR HORIZONTAL FRAME	4		LT - 67,5	7
Mg 152tp	SLIDING GASKET FOR VERTICAL FRAME	2		HT - 90	
Mg 153d	GASKET FOR VERTICAL GLASS STOP	2		HT - 236	
Mg 153d	GASKET FOR HORIZONTAL GLASS STOP	2		LT/2 - 119	
Mg 165p	SHIM FOR FIXED SASH	1		HT - 43	
Mg 165p	SHIM FOR FIXED SASH	2		LT/2 - 91	
Mg 386d	EXTERNAL GASKET FOR GLASS ON VERTICAL FRAME	2		HT - 92	7
Mg 386d	EXTERNAL GASKET FOR GLASS ON HORIZONTAL FRAME	2		/ LT/2 - 70	Δ
Mg 386d	EXTERNAL GASKET FOR GLASS ON VERTICAL SASH	2		HT - 236	7
Mg 386d	EXTERNAL GASKET FOR GLASS ON HORIZONTAL SASH	2		/ LT/2 - 119	
Mg 612d	INTERNAL GASKET FOR GLASS ON VERTICAL FRAME	2		HT - 92	
Mg 612d	INTERNAL GASKET FOR GLASS ON HORIZONTAL FRAME	2		/ LT/2 - 70	
Mg 612d	INTERNAL GASKET FOR GLASS ON VERTICAL SASH	2		HT - 236	
Mg 612d	INTERNAL GASKET FOR GLASS ON HORIZONTAL SASH	2		LT/2 - 119	
Mg 661s	BRUSH GASKET FOR INTERLOCK	2		HT - 134	
	* refer to table E1 12 for Mg153D on NC11005				
CODE	ACCESSORIES		0	UANTITY PER WIND	OW
Ma 2482	PIN FOR CORNER KEYS			16	
Ma 5521	WATER DRAINAGE BUSH			4	
Ma 6340	VENT-STOP			1	
Ma 6359	WALL ADJUSTMENT + Mu 0699		qua	ntity: refer to table F -	01
Ma 6500	CORNER KEY FOR FRAME		· · ·	8	
Ma 6501	ALIGNMENT CORNER KEY FOR FRAME			8	
Ma 6502	CORNER KEY FOR SASH			8	
Ma 6503	ALIGNMENT CORNER KEY FOR SASH			8	
Ma 6504	ALIGNMENT CORNER KEY FOR SASH			4	
Ma 6506	SLIDING ACCESSORY			1 (L=3.20m)	
Ma 6510	PIN FOR CORNER KEY MA6502			16	
Ma 6512	WEATHER SEAL FOR BOTTOM TRACKS			1/2 KIT (1 kit = 4 pcs)	
Ma 6513	CAP SET			$\frac{1}{2}$ KIT (1 kit = 4 pcs)	
Ma 6517	ANTI-LIFTING ACCESSORY			3	
Ma 6524	CAP FOR MA6517			8	
Ma 6525	KIT CARRIAGES			½ KIT (1 kit = 4 pcs)	
Ma 6527	FINISHING PLATE FOR MG151P			$\frac{1}{2}$ KIT (1 kit = 4 pcs)	
Ma 6528	WATER DRAINAGE CAP			2	
Ma 6533	ACCESSORY FOR FIXED FRAME			1	
Ma 9142	KIT SEAL CAPS FOR UPPER FRAME			½ KIT (1 kit = 2 pcs)	
	GLAZING	FRAME	1 SHEET	HT - 72	LT - 67
		SASHES	1 SHEET	HT - 208	LT/2 - 135

NC-S 120 SD	Cutting schemes	replaces table of	01/07/2010
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73c C 02tab_02 SYSTEM GROUP TABLE

HARDWARE MHA

CODE	HARDWARE	QUANTITY PER WINDOW
MA6529	LOCK H=2000 2 or 4 CLOSING POINTS	1
MA 6507	FIXING SHIM	8
MA 6508	KEEPER FOR MHA	2 o 4
MA 6516	WRONG MOVEMENT STOP	1
MA 6535	CYLINDER HOLDER	1 (or no one)
MA 0962	CYLINDER COVER	1
MS 3003	CYLINDER	1 (or no one)
MA6530	LOCK H=500 2 CLOSING POINTS	1
MA 6507	FIXING SHIM	4
MA 6508	KEEPER FOR MHA	2
MA 6516	WRONG MOVEMENT STOP	1
CODE	HANDLES	QUANTITY PER WINDOW
MA6522	WINDOW HANDLE "MARINA" WITH INTERNAL CONCAVE HANDLE	1
MA6523	PULL HANDLE "EOS MP"	1
MA6541	PULL HANDLE "EOS MINI"	1
MA6542	WINDOW HANDLE "MARINA" SPECIAL FIXING	1
MA6547	WINDOW HANDLE "MARINA" SINGLE FIXING	1



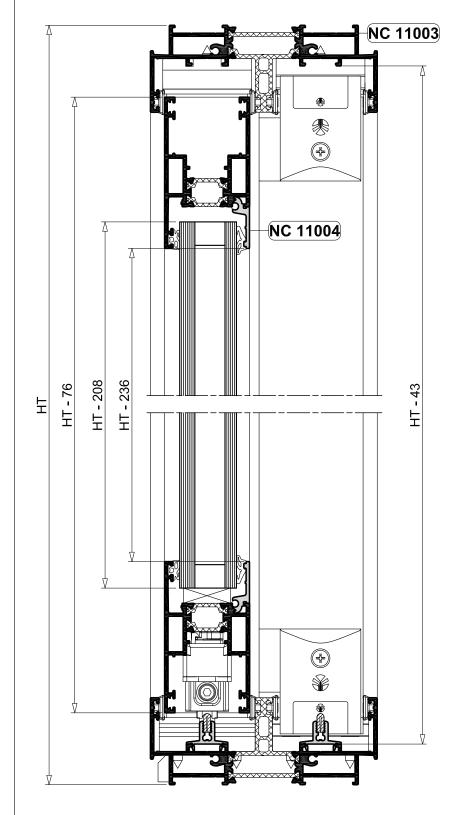
73c C 02tab_3 SYSTEM GROUP TABLE

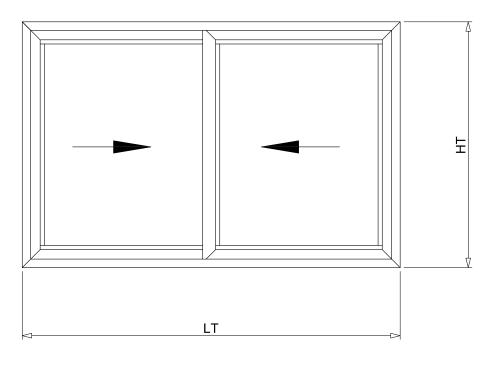
HARDWARE MBZ

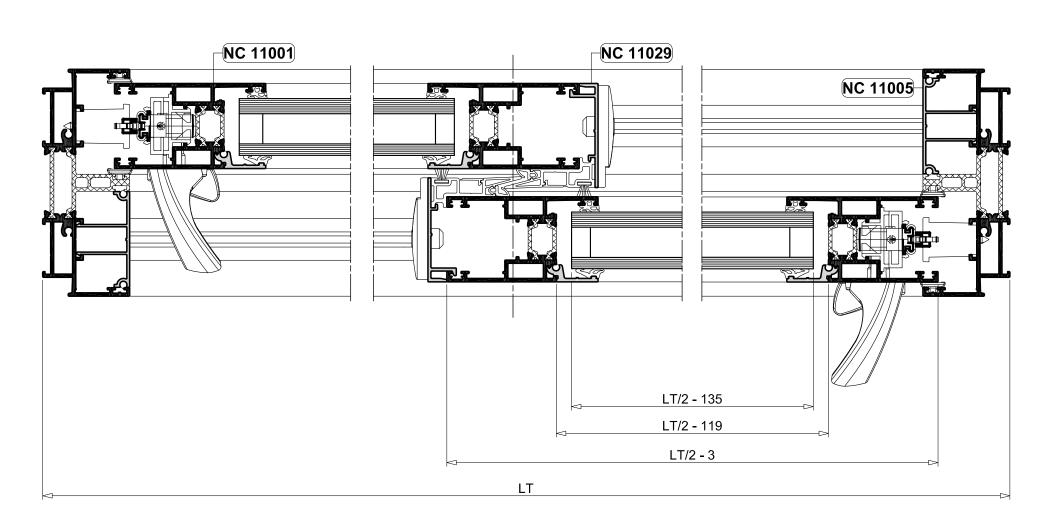
CODE	HARDWARE	QUANTITY PER WINDOW
MA6346	LOCK H=152 1 CLOSING POINT	1
MA 6511	SHIM FOR LOCK	2
MA 6518	LOCK CATCH	1
MU 0740	SCREW 4X40	2
MA6347	LOCK H=610 2 CLOSING POINTS	1
MA 6511	SHIM FOR LOCK	4
MA 6518	LOCK CATCH	2
MU 0740	SCREW 4X40	4
MA6348	LOCK H=1080 3 CLOSING POINTS	1
MA 6511	SHIM FOR LOCK	6 (or 8 with extension Ma6531)
MA 6518	LOCK CATCH	3 (or 4 with extension Ma6531)
MA 6531	LOCK EXTENSION L=500 (addition of 1 closing point)	1 (or no one)
MU 0740	SCREW 4X40	6 (or 8 with extension Ma6531)
MA6349	LOCK H=1080 3 CLOSING POINTS WITH CYLINDER	1
MA 6511	SHIM FOR LOCK	8 (or 10 with extension Ma6531)
MA 6518	LOCK CATCH	3 (or 4 with extension Ma6531)
MA 6531	LOCK EXTENSION L=500 (addition of 1 closing point)	1 (or no one)
MA 0962	CYLINDER COVER	1 (or no one
MS 3003	CYLINDER	1
MU 0740	SCREW 4X40	8 (or 10 with extension Ma6531)
MA6361	LOCK 1 CLOSING POINT WITH CYLINDER	1
MA 6511	SHIM FOR LOCK	4
MA 6518	LOCK CATCH	1
MA 0962	CYLINDER COVER	1 (or no one)
MS 3003	CYLINDER	1
MU 0740	SCREW 4X40	4
CODE	HANDLES	QUANTITY PER WINDOW
MA6351	HANDLE "ESTIVALE"	1
MA6353	HANDLE "ESTIVALE" INTERNAL + EXTERNAL	1
MA6371	HANDLE "HERA"	1
MA6521	HANDLE "CASSIOPEE"	1
\6521 + MA6550	HANDLE "CASSIOPEE" INTERNAL + EXTERNAL	1
MA6523	PULL HANDLE "EOS"	1
MA6541	PULL HANDLE "EOS" MINI	1
MA6542	WINDOW HANDLE "MARINA" SPECIAL FIXING	1
MA6549	WINDOW HANDLE "ATHENA"	1
	WINDOW HANDLE "ATHENA" INTERNAL + EXTERNAL	1
A6549 + MA6551		

73c C 03 SYSTEM GROUP TABLE

CUTTING SCHEME SOLUTION 2 SLIDING SASHES



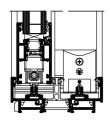




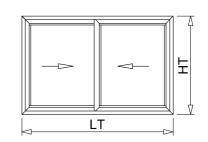
NC-S 120 SD	Cutting schemes	replaces table of	01/07/2010
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03tab_1 TABLE



FOR THE SASHES DIMENSIONS REFER TO THE STATIC DIAGRAMS OF THE CATALOGUE



CODE	PROFILES	QTY		CUT	
NC11001	VERTICAL SASH	4		HT - 76	
NC11001	HORIZONTAL SASH	4		LT/2 - 3	
NC11003	VERTICAL FRAME	2		HT	
NC11003	HORIZONTAL FRAME	2		LT	
NC11004	VERTICAL GLASS STOP	4		HT - 236	
NC11004	HORIZONTAL GLASS STOP	4		LT/2 - 119]
NC11005	FRAME COVER	2		HT - 43	
	TRACK SUPPORT	2		LT - 67.5	1
NC11029	SASH INTERLOCK	2		HT - 76]
CODE	GASKETS	QTY		CUT	
Mg 150p	SPACER FOR CENTRAL JUNCTION	2		HT - 134]
Mg 151d	GASKET FOR Mg150p	2	Γ	HT - 134]
	FRAME GASKET FOR SLIDING	8		LT - 90	
	FRAME GASKET FOR SLIDING	4		HT - 90	`
Mg 153d	GASKET FOR GLASS STOP	4		HT - 236	1
Mg 153d	GASKET FOR GLASS STOP	4	Ī	LT/2 - 119]
Mg 386d	EXTERNAL GASKET FOR GLASS	4		HT - 236	`
	EXTERNAL GASKET FOR GLASS	4		LT/2 - 119	<u> </u>
Mg 612d	INTERNAL GASKET FOR GLASS	4		HT - 236	`
Mg 612d	INTERNAL GASKET FOR GLASS	4		LT/2 - 119	<u> </u>
	BRUSH FOR Mg150p	2	Ĺ	HT - 134]
	* refer to table E1 12 for Mg153D on NC11005				-
CODE	ACCESSORIES		QL	JANTITY FOR WINDO	ow
Ma 2482	PIN 8X11 MM			16	
Ma 5521	WATER DRAINAGE BUSH			4	
Ma 6340	VENT TOP PLUG			1	
Ma 6359	WALL ADJUSTMENT + Mu0699		qua	ntity: refer to table F 0	1
Ma 6500	CORNER KEY			8	
Ma 6501	ALIGNMENT CORNER KEY			8	
Ma 6502	CORNER KEY			16	
Ma 6503	ALIGNMENT CORNER KEY			16	
Ma 6504	ALIGNMENT CORNER KEY		8		
Ma 6506	TRACK			2 (L=3.20m)	
Ma 6510	SHAPED PLUG			32	
Ma 6512	KIT LOWER CAPS			1 KIT (1 kit = 4 pcs)	
Ma 6513	KIT CAPS FOR SASH		1 KIT (1 kit = 4 pcs)		
Ma 6517	ANTI-LIFTING CAP			6	
	CAP FOR Ma6517			16	
Ma 6524	1.07.01.070			1 KIT (1 kit = 4 pcs)	
	KIT CARRIAGES		· /		
Ma 6525	CAPS FOR MG151P			1 KIT (1 kit = 4 pcs)	
Ma 6525 Ma 6527				1 KIT (1 kit = 4 pcs)	
Ma 6524 Ma 6525 Ma 6527 Ma 6528 Ma 9142	CAPS FOR MG151P				

NC-S 120 SD	Cuting schemes	replaces table of	01/07/2010
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73c С 03tab_2 SYSTEM GROUP TABLE

HARDWARE MHA

CODE	HARDWARE	QUANTITY PER WINDOW
MA6529	LOCK H=2000 2 or 4 CLOSING POINTS	2
MA 6507	FIXING SHIM	16
MA 6508	KEEPER FOR MHA	4 o 8
MA 6516	WRONG MOVEMENT STOP	2
MA 6535	CYLINDER HOLDER	2 (or no one)
MA 0962	CYLINDER COVER	2
MS 3003	CYLINDER	2 (or no one)
MA6530	LOCK H=500 2 CLOSING POINTS	2
MA 6507	FIXING SHIM	8
MA 6508	KEEPER FOR MHA	4
MA 6516	WRONG MOVEMENT STOP	2
CODE	HANDLES	QUANTITY PER WINDOW
MA6522	WINDOW HANDLE "MARINA" WITH INTERNAL CONCAVE HANDLE	2
MA6523	PULL HANDLE "EOS MP"	2
MA6541	PULL HANDLE "EOS MINI"	2
MA6542	WINDOW HANDLE "MARINA" SPECIAL FIXING	2
MA6547	WINDOW HANDLE "MARINA" SINGLE FIXING	2



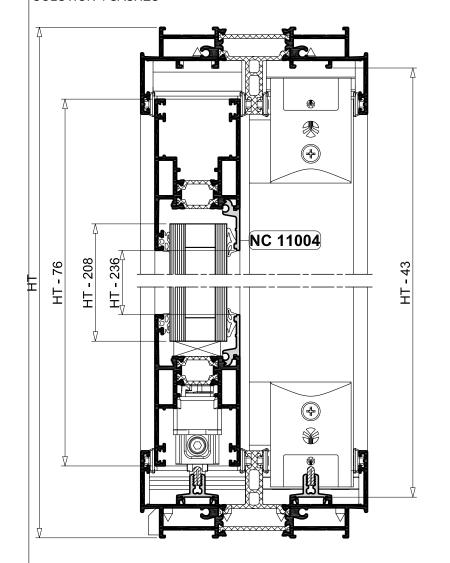
73c C 03tab_3
SYSTEM GROUP TABLE

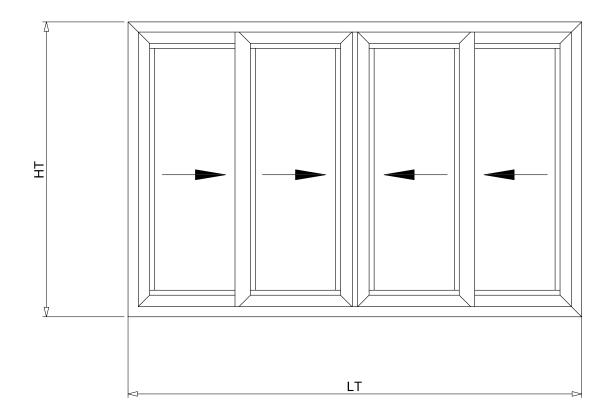
HARDWARE MBZ

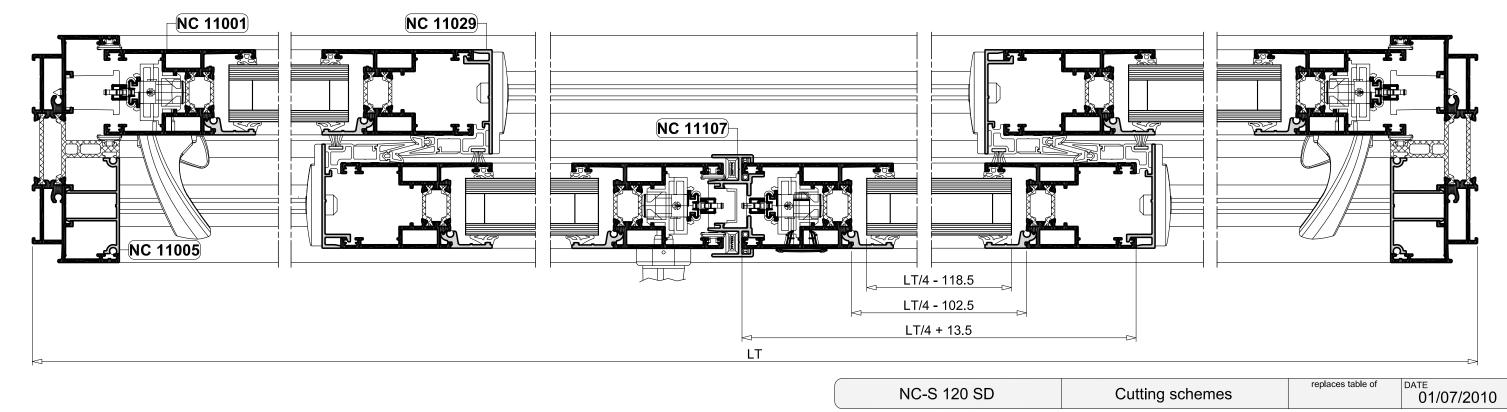
CODE	HARDWARE	QUANTITY PER WINDOW
MA6346	LOCK H=152 1 CLOSING POINT	2
MA 6511	SHIM FOR LOCK	4
MA 6518	LOCK CATCH	2
MU 0740	SCREW 4X40	4
MA6347	LOCK H=610 2 CLOSING POINTS	2
MA 6511	SHIM FOR LOCK	8
MA 6518	LOCK CATCH	4
MU 0740	SCREW 4X40	8
MA6348	LOCK H=1080 3 CLOSING POINTS	2
MA 6511	SHIM FOR LOCK	12 (or 16 with extension Ma6531)
MA 6518	LOCK CATCH	6 (or 8 with extension Ma6531)
MA 6531	LOCK EXTENSION L=500 (addition of 1 closing point)	2 (or no one)
MU 0740	SCREW 4X40	12 (or 16 with extension Ma6531)
MA6349	LOCK H=1080 3 CLOSING POINTS WITH CYLINDER	2
MA 6511	SHIM FOR LOCK	16 (or 20 with extension Ma6531)
MA 6518	LOCK CATCH	6 (or 8 with extension Ma6531)
MA 6531	LOCK EXTENSION L=500 (addition of 1 closing point)	2 (or no one)
MA 0962	CYLINDER COVER	2
MS 3003	CYLINDER	2
MU 0740	SCREW 4X40	16 (or 20 with extension Ma6531)
MA6361	LOCK 1 CLOSING POINT WITH CYLINDER	2
MA 6511	SHIM FOR LOCK	8
MA 6518	LOCK CATCH	2
MA 0962	CYLINDER COVER	2
MS 3003	CYLINDER	2
MU 0740	SCREW 4X40	8
CODE	HANDLES	QUANTITY PER WINDOW
MA6351	HANDLE "ESTIVALE"	2
MA6353	HANDLE "ESTIVALE" INTERNAL + EXTERNAL	2
MA6371	HANDLE "HERA"	2
MA6521	HANDLE "CASSIOPEE"	2
A6521 + MA6550	HANDLE "CASSIOPEE" INTERNAL + EXTERNAL	2
MA6523	PULL HANDLE "EOS"	2
MA6541	PULL HANDLE "EOS" MINI	2
MA6542	WINDOW HANDLE "MARINA" SPECIAL FIXING	2
MA6549	WINDOW HANDLE "ATHENA"	2
A6549 + MA6551	WINDOW HANDLE "ATHENA" INTERNAL + EXTERNAL	2
		2

04 TABLE

CUTTING SCHEME SOLUTION 4 SASHES

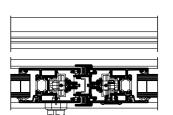




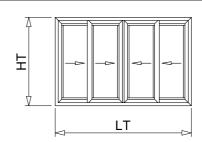




04tab_1 TABLE



FOR THE SASHES DIMENSIONS REFER TO THE STATIC DIAGRAMS OF THE CATALOGUE



CC11001 VERTICAL SASH						
MOREZONTAL SASH	CODE	PROFILES	QTY		СПТ	
C-1003	NC11001	VERTICAL SASH	8		HT - 76	
HORIZONTAL FRAME 2	NC11001	HORIZONTAL SASH	8		LT/4 + 13.5	
HORIZONTAL FRAME 2	NC11003	VERTICAL FRAME	2		HT	_
MERTICAL GLASS STOP	NC11003				LT	`
MORIZONTAL CLASS STOP		VERTICAL GLASS STOP	8	<u> </u>	HT - 236]
C11006			8]
C11006			2]
C11006 TRACK SUPPORT 1			1]
C111029 SASH INTERLOCK			1]
COTT CENTRAL COVER			4]
CODE GASKETS]
1511 GASKET FOR Mg150p	CODE					
19 151d GASKET FOR Mg150p 4	Mg 150p	SPACER FOR CENTRAL JUNCTION	4		HT - 134]
19 1520 FRAME GASKET FOR SUDING 8 LT - 90	Mg 151d	GASKET FOR Mg150p	4		HT - 134	1
19 152 FRAME GASKET FOR SLIDING 4		FRAME GASKET FOR SLIDING	8			
Mg 153d GASKET FOR GLASS STOP 8	Mg 152tp	FRAME GASKET FOR SLIDING	4		HT - 90	
March Marc		GASKET FOR GLASS STOP	8		HT - 236	
Mg 386d						
## Mg 386d						
Mg 612d INTERNAL GASKET FOR GLASS 8 HT - 236 Mg 612d INTERNAL GASKET FOR GLASS 8 LT/2 - 119 Mg 612b BRUSH FOR Mg150p 4 HT - 134 * refer to table E1 12 for Mg153D on NC11005 CODE ACCESSORIES QUANTITY PER WINDOW Ma 2482 PIN 8X11 MM 16 Ma 65359 WALL ADJUSTMENT 18 Ma 65359 WALL ADJUSTMENT Quantity: refer to table F 01 Ma 6509 CORNER KEY 8 Ma 6500 CORNER KEY 8 Ma 6500 CORNER KEY 8 Ma 6501 ALIGNMENT CORNER KEY 32 Ma 6503 ALIGNMENT CORNER KEY 32 Ma 6504 ALIGNMENT CORNER KEY 32 Ma 6503 ALIGNMENT CORNER KEY 32 Ma 6504 ALIGNMENT CORNER KEY 32 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
Marting Mart						7
### REPRESSOR STATE ACCESSOR STATE A						7
*refer to table E1 12 for Mg153D on NC11005 CODE ACCESSORIES QUANTITY PER WINDOW A2 2482 PIN 8X11 MM 16 Ma 5521 WATER DRAINAGE BUSH 8 8 A6 6520 VENT TOP PLUG 2 7 A6 6539 WALL ADJUSTMENT Quantity: refer to table F 01 A6 6500 CORNER KEY 8 8 A6 6501 ALIGNMENT CORNER KEY 8 8 A6 6502 CORNER KEY 32 ALIGNMENT CORNER KEY 46 6503 ALIGNMENT CORNER KEY 57 ALIGNMENT CORNER KEY 58 ALIGNMENT CORNER KEY 59 ALIGNMENT CORNER KEY 60 AG 6504 ALIGNMENT CORNER KEY 61 ALIGNMENT CORNER KEY 62 (L=3.20m) 63 ALIGNMENT CORNER KEY 64 ALIGNMENT CORNER KEY 65 TRACK 66 TRACK 67 CASSON STANDARD STANDAR						<u>2</u>
Ma 2482 PIN 8X11 MM Ma 5521 WATER DRAINAGE BUSH Ma 6534 VENT TOP PLUG Aa 6359 WALL ADJUSTMENT Quantity: refer to table F 01 Ma 6500 CORNER KEY B Ma 6501 ALIGNMENT CORNER KEY B Ma 6502 CORNER KEY Aa 6503 ALIGNMENT CORNER KEY Aa 6503 ALIGNMENT CORNER KEY Aa 6504 ALIGNMENT CORNER KEY Aa 6505 TRACK AB 6506 TRACK AB 6506 TRACK AB 6507 SHAPED PLUG AB 6510 SHAPED PLUG AB 6510 SHAPED PLUG AB 6511 KIT CAPS FOR SASH AB 6512 KIT CAPS FOR SASH AB 6512 KIT CAPS FOR SASH AB 6514 KIT CAPS FOR SASH JUNCTION AB 6520 KIT CAPS FOR SASH JUNCTION AB 6520 CAP FOR Ma6517 AB 6520 CAPS FOR MG151P AB 6520 WATER DRAINAGE CAP AB 6521 CAPS FOR MG151P AB 6522 CAPS FOR MG151P AB 6528 WATER DRAINAGE CAP AB 6528 WATER DRAINAGE CAP AB 6528 WATER DRAINAGE CAP AB 6528 LIT 6 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2		* refer to table E1 12 for Mg153D on NC11005				
Ma 5521 WATER DRAINAGE BUSH 8 8 4 6340 VENT TOP PLUG 2 2 4 6359 WALL ADJUSTMENT quantity: refer to table F 01 4 6500 CORNER KEY 8 8 4 6501 ALIGNMENT CORNER KEY 8 8 4 6502 CORNER KEY 32 4 6503 ALIGNMENT CORNER KEY 32 4 6503 ALIGNMENT CORNER KEY 16 6 6 6 6 6 6 6 6	CODE	ACCESSORIES		QU	ANTITY PER WINDO	w
Aa 6340 VENT TOP PLUG 2 Aa 6359 WALL ADJUSTMENT quantity: refer to table F 01 Aa 6500 CORNER KEY 8 Aa 6501 ALIGNMENT CORNER KEY 8 Aa 6502 CORNER KEY 32 Aa 6503 ALIGNMENT CORNER KEY 16 Aa 6504 ALIGNMENT CORNER KEY 16 Aa 6505 TRACK 2 (L=3.20m) Aa 6510 SHAPED PLUG 64 Aa 6512 KIT LOWER CAPS 2 KITS (1 kit = 4 pcs) Aa 6513 KIT CAPS FOR SASH 2 KITS (1 kit = 4 pcs) Aa 6517 ANTH-LIFTING CAP 8 Aa 6520 KIT CAPS FOR SASH JUNCTION 1 KIT (1 kit = 4 pcs) Aa 6524 CAP FOR Ma6517 16 Aa 6525 KIT CARRIAGES 2 KITS (1 kit = 4 pcs) Aa 6526 KIT CARRIAGES 2 KITS (1 kit = 4 pcs) Aa 6527 CAPS FOR MG151P 2 KITS (1 kit = 2 pcs) Aa 6528 WATER DRAINAGE CAP 2 Aa 942 KIT UPPER TRACK TIGHTNESS 1 KIT 4 - 118 5	Ma 2482	PIN 8X11 MM			16	
As 6359 WALL ADJUSTMENT quantity: refer to table F 01 As 6500 CORNER KEY 8 As 6501 ALIGNMENT CORNER KEY 8 As 6502 CORNER KEY 32 As 6503 ALIGNMENT CORNER KEY 32 As 6504 ALIGNMENT CORNER KEY 16 As 6505 TRACK 2 (L=3.20m) As 6506 TRACK 2 KITS (1 kit = 4 pcs) As 6510 SHAPED PLUG 64 As 6512 KIT LOWER CAPS 2 KITS (1 kit = 4 pcs) As 6513 KIT CAPS FOR SASH 2 KITS (1 kit = 4 pcs) As 6517 ANTH-LIFTING CAP 8 As 6520 KIT CAPS FOR SASH JUNCTION 1 KIT (1 kit = 4 pcs) As 6524 CAP FOR Ma6517 16 As 6525 KIT CARRIAGES 2 KITS (1 kit = 4 pcs) As 6526 KIT CARRIAGES 2 KITS (1 kit = 4 pcs) As 6527 CAPS FOR MG151P 2 KITS (1 kit = 4 pcs) As 6528 WATER DRAINAGE CAP 2 KITS (1 kit = 2 pcs) As 9442 KIT UPPER TRACK TIGHTNESS 1 KIT - 118 5	Ma 5521	WATER DRAINAGE BUSH			8	
Ma 6500 CORNER KEY 8 Ma 6501 ALIGNMENT CORNER KEY 8 Ma 6502 CORNER KEY 32 Ma 6503 ALIGNMENT CORNER KEY 32 Ma 6504 ALIGNMENT CORNER KEY 16 Ma 6505 TRACK 2 (L=3.20m) Ma 6510 SHAPED PLUG 64 Ma 6512 KIT LOWER CAPS 2 KITS (1 kit = 4 pcs) Ma 6513 KIT CAPS FOR SASH 2 KITS (1 kit = 4 pcs) Ma 6517 ANTH-LIFTING CAP 8 Ma 6520 KIT CAPS FOR SASH JUNCTION 1 KIT (1 kit = 4 pcs) Ma 6524 CAP FOR Ma6517 16 Ma 6525 KIT CARRIAGES 2 KITS (1 kit = 4 pcs) Ma 6526 CAPS FOR MG151P 2 KITS (1 kit = 4 pcs) Ma 6528 WATER DRAINAGE CAP 2 KITS (1 kit = 2 pcs) Ma 9142 KIT UPPER TRACK TIGHTNESS 2 KITS (1 kit = 2 pcs)	Ma 6340	VENT TOP PLUG			2	
Ma 6501 ALIGNMENT CORNER KEY 8 Ma 6502 CORNER KEY 32 Ma 6503 ALIGNMENT CORNER KEY 32 Ma 6504 ALIGNMENT CORNER KEY 16 Ma 6505 TRACK 2 (L=3.20m) Ma 6510 SHAPED PLUG 64 Ma 6512 KIT LOWER CAPS 2 KITS (1 kit = 4 pcs) Ma 6513 KIT CAPS FOR SASH 2 KITS (1 kit = 4 pcs) Ma 6517 ANTH-LIFTING CAP 8 Ma 6520 KIT CAPS FOR SASH JUNCTION 1 KIT (1 kit = 4 pcs) Ma 6524 CAP FOR Ma6517 16 Ma 6525 KIT CARRIAGES 2 KITS (1 kit = 4 pcs) Ma 6525 KIT CARRIAGES 2 KITS (1 kit = 4 pcs) Ma 6528 WATER DRAINAGE CAP 2 Ma 9142 KIT UPPER TRACK TIGHTNESS 2 KITS (1 kit = 2 pcs)	Ma 6359	WALL ADJUSTMENT		qua	antity: refer to table F	01
Ala 6502 CORNER KEY 32 Ala 6503 ALIGNMENT CORNER KEY 32 Ala 6504 ALIGNMENT CORNER KEY 16 Ala 6506 TRACK 2 (L=3.20m) Ala 6510 SHAPED PLUG 64 Ala 6512 KIT LOWER CAPS 2 KITS (1 kit = 4 pcs) Ala 6513 KIT CAPS FOR SASH 2 KITS (1 kit = 4 pcs) Ala 6517 ANT-LIFTING CAP 8 Ala 6520 KIT CAPS FOR SASH JUNCTION 1 KIT (1 kit = 4 pcs) Ala 6521 CAP FOR Ma6517 16 Ala 6522 KIT CARRIAGES 2 KITS (1 kit = 4 pcs) Ala 6525 KIT CARRIAGES 2 KITS (1 kit = 4 pcs) Ala 6528 WATER DRAINAGE CAP 2 Ala 9142 KIT UPPER TRACK TIGHTNESS 2 KITS (1 kit = 2 pcs)	Ma 6500	CORNER KEY			8	
ALIGNMENT CORNER KEY 32 Ma 6503 ALIGNMENT CORNER KEY 16 Ma 6506 TRACK 2 (L=3.20m) Ma 6510 SHAPED PLUG 64 Ma 6512 KIT LOWER CAPS 2 KITS (1 kit = 4 pcs) Ma 6513 KIT CAPS FOR SASH 2 KITS (1 kit = 4 pcs) Ma 6517 ANTI-LIFTING CAP 8 Ma 6520 KIT CAPS FOR SASH JUNCTION 1 KIT (1 kit = 4 pcs) Ma 6524 CAP FOR Ma6517 16 Ma 6525 KIT CARRIAGES 2 KITS (1 kit = 4 pcs) Ma 6527 CAPS FOR MG151P 2 KITS (1 kit = 4 pcs) Ma 6528 WATER DRAINAGE CAP 2 Ma 9142 KIT UPPER TRACK TIGHTNESS 2 KITS (1 kit = 2 pcs)	Ma 6501	ALIGNMENT CORNER KEY			8	
Ma 6504 ALIGNMENT CORNER KEY 16 Ma 6506 TRACK 2 (L=3.20m) Ma 6510 SHAPED PLUG 64 Ma 6512 KIT LOWER CAPS 2 KITS (1 kit = 4 pcs) Ma 6513 KIT CAPS FOR SASH 2 KITS (1 kit = 4 pcs) Ma 6517 ANTHLIFTING CAP 8 Ma 6520 KIT CAPS FOR SASH JUNCTION 1 KIT (1 kit = 4 pcs) Ma 6524 CAP FOR Ma6517 16 Ma 6525 KIT CARRIAGES 2 KITS (1 kit = 4 pcs) Ma 6527 CAPS FOR MG151P 2 KITS (1 kit = 4 pcs) Ma 6528 WATER DRAINAGE CAP 2 Ma 9142 KIT UPPER TRACK TIGHTNESS 2 KITS (1 kit = 2 pcs)	Ma 6502	CORNER KEY			32	
Ma 6506 TRACK Ma 65010 SHAPED PLUG Ma 65112 KIT LOWER CAPS Ma 6512 KIT CAPS FOR SASH Ma 6513 KIT CAPS FOR SASH Ma 6517 ANTHLIFTING CAP Ma 6520 KIT CAPS FOR SASH JUNCTION Ma 6524 CAP FOR Ma6517 Ma 6525 KIT CARRIAGES Ma 6525 KIT CARRIAGES Ma 6527 CAPS FOR MG151P Ma 6528 WATER DRAINAGE CAP Ma 9142 KIT UPPER TRACK TIGHTNESS SASHES 4 SHEFTS HT - 208 LT/4 - 118 5	Ma 6503	ALIGNMENT CORNER KEY			32	
### 6510 SHAPED PLUG 64 ### 6512 KIT LOWER CAPS 2 KITS (1 kit = 4 pcs) #### 6513 KIT CAPS FOR SASH 2 KITS (1 kit = 4 pcs) ###################################	Ma 6504	ALIGNMENT CORNER KEY			16	
Ma 6512 KIT LOWER CAPS Ma 6513 KIT CAPS FOR SASH Ma 6514 2 KITS (1 kit = 4 pcs) Ma 6517 ANTI-LIFTING CAP Ma 6520 KIT CAPS FOR SASH JUNCTION Ma 6524 CAP FOR Ma6517 Ma 6525 KIT CARRIAGES Ma 6526 KIT CARRIAGES Ma 6527 CAPS FOR MG151P Ma 6528 WATER DRAINAGE CAP Ma 9142 KIT UPPER TRACK TIGHTNESS SASHES 4 SHEETS HT - 208 LT/4 - 118.5	Ma 6506	TRACK				
Ma 6513 KIT CAPS FOR SASH 2 KITS (1 kit = 4 pcs) Ma 6517 ANTI-LIFTING CAP 8 Ma 6520 KIT CAPS FOR SASH JUNCTION 1 KIT (1 kit = 4 pcs) Ma 6524 CAP FOR Ma6517 16 Ma 6525 KIT CARRIAGES 2 KITS (1 kit = 4 pcs) Ma 6527 CAPS FOR MG151P 2 KITS (1 kit = 4 pcs) Ma 6528 WATER DRAINAGE CAP 2 Ma 9142 KIT UPPER TRACK TIGHTNESS 2 KITS (1 kit = 2 pcs)	Ma 6510	SHAPED PLUG			64	
Ma 6513 KIT CAPS FOR SASH 2 KITS (1 kit = 4 pcs) Ma 6517 ANTHLIFTING CAP 8 Ma 6520 KIT CAPS FOR SASH JUNCTION 1 KIT (1 kit = 4 pcs) Ma 6524 CAP FOR Ma6517 16 Ma 6525 KIT CARRIAGES 2 KITS (1 kit = 4 pcs) Ma 6527 CAPS FOR MG151P 2 KITS (1 kit = 4 pcs) Ma 6528 WATER DRAINAGE CAP 2 Ma 9142 KIT UPPER TRACK TIGHTNESS 2 KITS (1 kit = 2 pcs)	Ma 6512	KIT LOWER CAPS		2	KITS (1 kit = 4 pcs)	
Ma 6517 ANTHLIFTING CAP 8 Ma 6520 KIT CAPS FOR SASH JUNCTION 1 KIT (1 kit = 4 pcs) Ma 6524 CAP FOR Ma6517 16 Ma 6525 KIT CARRIAGES 2 KITS (1 kit = 4 pcs) Ma 6527 CAPS FOR MG151P 2 KITS (1 kit = 4 pcs) Ma 6528 WATER DRAINAGE CAP 2 Ma 9142 KIT UPPER TRACK TIGHTNESS 2 KITS (1 kit = 2 pcs)	Ma 6513	KIT CAPS FOR SASH				
Ma 6520 KIT CAPS FOR SASH JUNCTION 1 KIT (1 kit = 4 pcs) Ma 6524 CAP FOR Ma6517 16 Ma 6525 KIT CARRIAGES 2 KITS (1 kit = 4 pcs) Ma 6527 CAPS FOR MG151P 2 KITS (1 kit = 4 pcs) Ma 6528 WATER DRAINAGE CAP 2 Ma 9142 KIT UPPER TRACK TIGHTNESS 2 KITS (1 kit = 2 pcs)	Ma 6517	ANTI-LIFTING CAP				
Ma 6524 CAP FOR Ma6517 16 Ma 6525 KIT CARRIAGES 2 KITS (1 kit = 4 pcs) Ma 6527 CAPS FOR MG151P 2 KITS (1 kit = 4 pcs) Ma 6528 WATER DRAINAGE CAP 2 Ma 9142 KIT UPPER TRACK TIGHTNESS 2 KITS (1 kit = 2 pcs) SASHES 4 SHEETS HT - 208 LT/4 - 118.5	Ma 6520	KIT CAPS FOR SASH JUNCTION				
Ma 6525 KIT CARRIAGES 2 KITS (1 kit = 4 pcs) Ma 6527 CAPS FOR MG151P 2 KITS (1 kit = 4 pcs) Ma 6528 WATER DRAINAGE CAP 2 Ma 9142 KIT UPPER TRACK TIGHTNESS 2 KITS (1 kit = 2 pcs) SASHES 4 SHEFTS HT - 208 LT/4 - 118.5	Ma 6524	CAP FOR Ma6517			16	
Ma 6527 CAPS FOR MG151P 2 KITS (1 kit = 4 pcs) Ma 6528 WATER DRAINAGE CAP 2 Ma 9142 KIT UPPER TRACK TIGHTNESS 2 KITS (1 kit = 2 pcs) SASHES 4 SHEETS HT - 208 LT/4 - 118.5	Ma 6525					
Ma 6528 WATER DRAINAGE CAP 2 Ma 9142 KIT UPPER TRACK TIGHTNESS 2 KITS (1 kit = 2 pcs) SASHES 4 SHEETS HT - 208 LT/4 - 118.5	Ma 6527					
//a 9142 KIT UPPER TRACK TIGHTNESS 2 KITS (1 kit = 2 pcs) SASHES 4 SHEETS HT - 208 LT/4 - 118.5	Ma 6528					
SASHES 4 SHEETS HT - 208 LT/4 - 118.5	Ma 9142			2		
GLAZINO		GI AZING	SASHES		, , ,	LT/4 - 118.5
		GLAZING				

NC-S 120 SD	Cutting schemes	replaces table of	01/07/2010
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73c C 04tab_2 SYSTEM GROUP TABLE

HARDWARE MHA

CODE	HARDWARE	QUANTITY PER WINDOW
MA6529	LOCK H=2000 2 or 4 CLOSING POINTS	4
MA 6507	FIXING SHIM	32
MA 6508	KEEPER FOR MHA	4 o 8
MA 6516	WRONG MOVEMENT STOP	2
MA 6532	LOCK CATCH KIT	2 o 4
MA 6535	CYLINDER HOLDER	2 (or no one)
MA 0962	CYLINDER COVER	2 (or no one)
MS 3003	CYLINDER	2 (or no one)
MA6530	LOCK H=500 2 CLOSING POINTS	4
MA 6507	FIXING SHIM	16
MA 6508	KEEPER FOR MHA	4
MA 6516	WRONG MOVEMENT STOP	2
MA 6532	LOCK CATCH KIT	2
CODE	HANDLES	QUANTITY PER WINDOW
MA6522	WINDOW HANDLE "MARINA" WITH INTERNAL CONCAVE HANDLE	4
MA6523	PULL HANDLE "EOS MP"	4
MA6541	PULL HANDLE "EOS MINI"	4
MA6542	WINDOW HANDLE "MARINA" SPECIAL FIXING	4
MA6547	WINDOW HANDLE "MARINA" SINGLE FIXING	4



04tab_3 TABLE

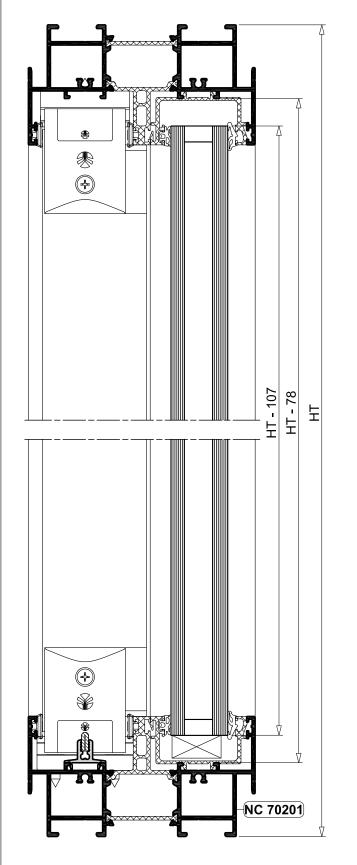
HARDWARE MBZ

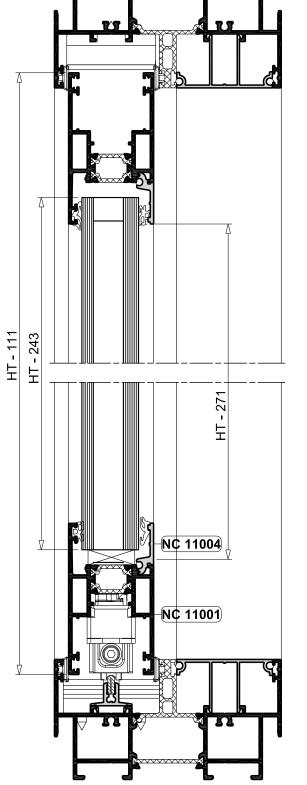
CODE	HARDWARE	QUANTITY PER WINDOW
MA6346	LOCK H=152 1 CLOSING POINT	4
MA 6511	SHIM FOR LOCK	8
MA 6518	LOCK CATCH	4
MA 6519	LOCK CATCH SMALL	1
MA 6534	LOCK CATCH FIXING PLATE	8
MA6347	LOCK H=610 2 CLOSING POINTS	3
MA 6346	LOCK H=152 1 CLOSING POINT	1
MA 6511	SHIM FOR LOCK	14
MA 6518	LOCK CATCH	4
MA 6519	LOCK CATCH SMALL	2
MA 6534	LOCK CATCH FIXING PLATE	4
MA6348	LOCK H=1080 3 CLOSING POINTS	3
MA 6346	LOCK H=152 1 CLOSING POINT	1
MA 6511	SHIM FOR LOCK	20 (or 26 with extension Ma6531)
MA 6518	LOCK CATCH	6 (or 8 with extension Ma6531)
MA 6519	LOCK CATCH SMALL	3 (or 4 with extension Ma6531)
MA 6531	LOCK EXTENSION L=500 (addition of 1 closing point)	3 (or no one)
MA 6534	LOCK CATCH FIXING PLATE	6 (or 8 with extension Ma6531)
MA6349	LOCK H=1080 3 CLOSING POINTS WITH CYLINDER	3
MA 6346	LOCK H=152 1 CLOSING POINT	<u> </u>
MA 6511	SHIM FOR LOCK	24 (or 30 with extension Ma6531)
MA 6518	LOCK CATCH	6 (or 8 with extension Ma6531)
MA 6519	LOCK CATCH SMALL	3 (or 4 with extension Ma6531)
MA 6531	LOCK EXTENSION L=500 (addition of 1 closing point)	3 (or no one)
MA 6534	LOCK CATCH FIXING PLATE	6 (or 8 with extension Ma6531)
MA 0962	CYLINDER COVER	3
MS 3003	CYLINDER	3
MA6361	LOCK 1 CLOSING POINT WITH CYLINDER	2
MA 6346	LOCK H=152 1 CLOSING POINT	
MA 6511	SHIM FOR LOCK	8
MA 6518	LOCK CATCH	2
MA 6519	LOCK CATCH SMALL	1
MA 6534	LOCK CATCH FIXING PLATE	2
MA 0962	CYLINDER COVER	3
MS 3003	CYLINDER	3
CODE		QUANTITY PER WINDOW
	HANDLES	·
MA6351	HANDLE "ESTIVALE"	4
MA6371	HANDLE "HERA"	4
MA6521	HANDLE "CASSIOPEE"	4
MA6523	PULL HANDLE "EOS"	4
MA6541	PULL HANDLE "EOS" MINI	4
MA6542	WINDOW HANDLE "MARINA" SPECIAL FIXING	4
MA6549	WINDOW HANDLE "ATHENA"	4
A6549 + MA6551	WINDOW HANDLE "ATHENA" INTERNAL + EXTERNAL	4
A6542 + MA6581	WINDOW HANDLE "MARINA" SPECIAL FIXING + CONCAVE HANDLE	4



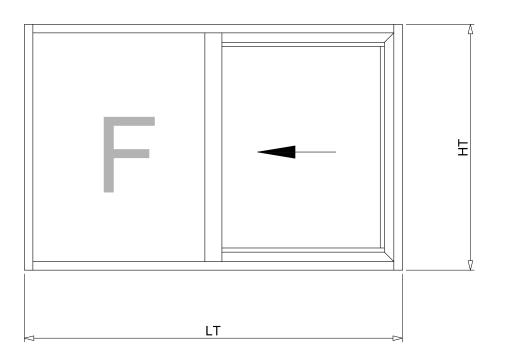
05 TABLE

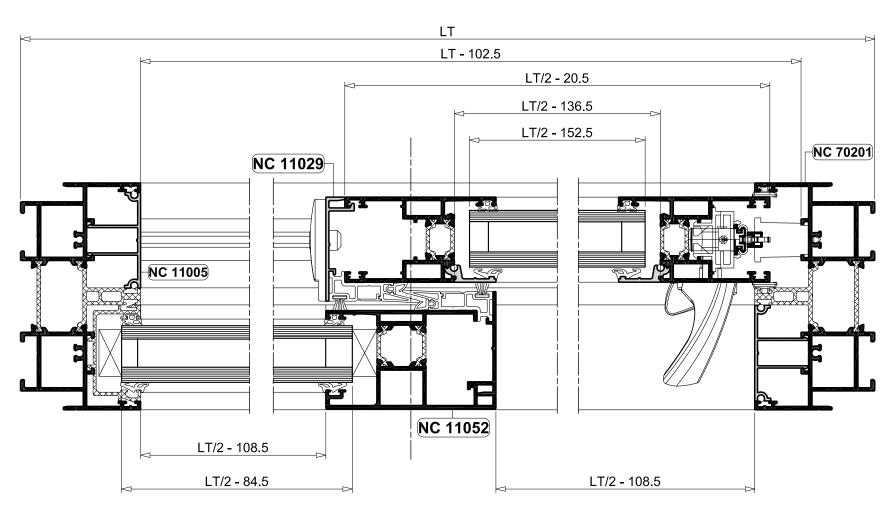
CUTTING SCHEME SOLUTION 1 SASH + 1 FIXED





NC 70201





NC-S 120 SD

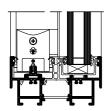
Cutting schemes

replaces table of

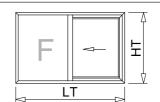
DATE



05tab_1 TABLE



FOR THE SASHES DIMENSIONS REFER TO THE STATIC DIAGRAMS OF THE CATALOGUE



	2				
CODE	PROFILES	QTY		СИТ	
NC11001	VERTICAL SASH	2		HT - 111	
NC11001	HORIZONTAL SASH	2		LT/2 - 20.5	
IC11004	VERTICAL GLASS STOP	2		HT - 271	
IC11004	HORIZONTAL GLASS STOP	2		LT/2 - 136.5	
IC11005	FRAME COVER	2		HT - 78	<u> </u>
IC11005	FRAME COVER	2		LT/2 - 108.5	
IC11006	TRACK SUPPORT	2		LT - 102.5	
IC11029	SASH INTERLOCK	2		HT - 80	
IC11029	SASH INTERLOCK	1		HT - 111	
	MULLION	1		HT - 80	
IC11052			L		
IC70201	VERTICAL FRAME	1		HT	
NC70201	HORIZONTAL FRAME	1		LT - 70	
CODE	GASKETS	QTY		CUT	
/lg 150p	SPACER FOR CENTRAL JUNCTION	2		HT - 169	
/lg 151d	GASKET FOR Mg150p	2		HT - 169	
1g 152tp	FRAME GASKET FOR SLIDING	4		LT - 127	
1g 152tp	FRAME GASKET FOR SLIDING	2		HT - 109	_
/lg 153d	GASKET FOR GLASS STOP	2		HT - 271	
/lg 153d	GASKET FOR GLASS STOP	2		LT/2 - 136.5	
/lg 165p	SHIM FOR FIXED SASH	1		HT - 78	
/lg 165p	SHIM FOR FIXED SASH	2		LT/2 - 108.5	
/lg 386d	EXTERNAL GASKET FOR GLASS	2		HT - 110	\
1g 386d	EXTERNAL GASKET FOR GLASS	2		LT/2 - 92	
1g 386d	EXTERNAL GASKET FOR GLASS	2		HT - 256	`
1g 386d	EXTERNAL GASKET FOR GLASS	2		LT/2 - 163	
/lg 612d	INTERNAL GASKET FOR GLASS	2		HT - 110	
1g 612d	INTERNAL GASKET FOR GLASS	2		LT/2 - 92	<u> </u>
/lg 612d		2		HT - 256	<u> </u>
/lg 612d	INTERNAL GASKET FOR GLASS	2			<u> </u>
	INTERNAL GASKET FOR GLASS		LT/2 - 163		<u> </u>
/lg 661s	BRUSH FOR Mg150p	2		HT - 169	
	* refer to table E1 12 for Mg153D on NC11005				
CODE	ACCESSORIES		QUA	NTITY PER WINDO	W
Ла 5521	WATER DRAINAGE BUSH			4	
/la 6340	VENT TOP PLUG			1	
1a 6502	CORNER KEY			8	
/la 6503	ALIGNMENT CORNER KEY			8	
/la 6504	ALIGNMENT CORNER KEY			4	
/la 6506	TRACK			1 (L=3.20m)	
/la 6510	SHAPED PLUG			16	
la 6512	KIT LOWER CAPS		1/2	KIT (1 kit = 4 pcs)	
/la 6513	KIT CAPS FOR SASH			KIT (1 kit = 4 pcs)	
Ла 6517	ANTI-LIFTING CAP			3	
1a 6524	CAP FOR Ma6517			8	
Ma 6525	KIT CARRIAGES		1	KIT (1 kit = 4 pcs)	
1a 6523	CAPS FOR MG151P		_	KIT (1 kit = 4 pcs)	
la 6528	WATER DRAINAGE CAP		2		
			2		
1a 6533	U-BOLT KIT FOR FIXED FRAME		1	1 KIT (1 kit = 2 pcs)	
1a 9142	KIT UPPER TRACK TIGHTNESS		2	101 (1 Mt - 2 pos)	
	01.47010	FIXED	1 SHEET	HT - 72	LT - 84.5
	GLAZING	SASHES	1 SHEET	HT - 208	LT/2 - 152.5

NC-S 120 SD	Cutting schemes	replaces table of	01/07/2010
110-0 120 00	Outling schemes		01/07/2010



73c C 05tab_2 SYSTEM GROUP TABLE

HARDWARE MHA

CODE	HARDWARE	QUANTITY PER WINDOW
MA6529	LOCK H=2000 2 or 4 CLOSING POINTS	1
MA 6507	FIXING SHIM	8
MA 6508	KEEPER FOR MHA	2 o 4
MA 6516	WRONG MOVEMENT STOP	1
MA 6535	CYLINDER HOLDER	1 (or no one)
MA 0962	CYLINDER COVER	1
MS 3003	CYLINDER	1 (or no one)
MA6530	LOCK H=500 2 CLOSING POINTS	1
MA 6507	FIXING SHIM	4
MA 6508	KEEPER FOR MHA	2
MA 6516	WRONG MOVEMENT STOP	1
CODE	HANDLES	QUANTITY PER WINDOW
MA6522	WINDOW HANDLE "MARINA" WITH INTERNAL CONCAVE HANDLE	1
MA6523	PULL HANDLE "EOS MP"	1
MA6541	PULL HANDLE "EOS MINI"	1
MA6542	WINDOW HANDLE "MARINA" SPECIAL FIXING	1
MA6547	WINDOW HANDLE "MARINA" SINGLE FIXING	1

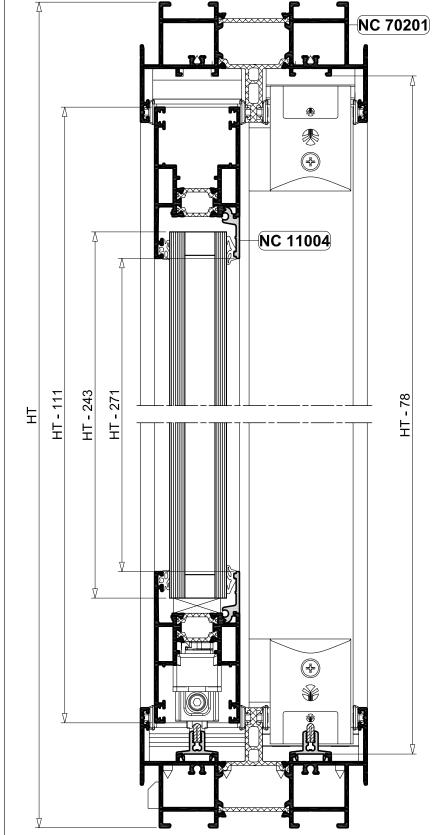


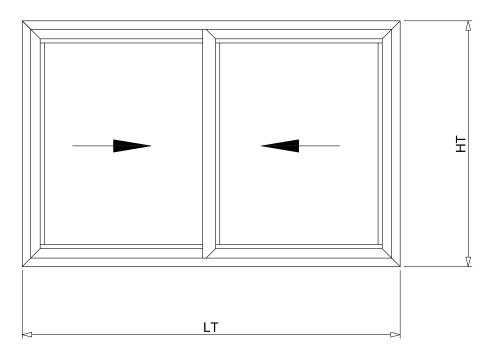
73c C 05tab_3 SYSTEM GROUP TABLE

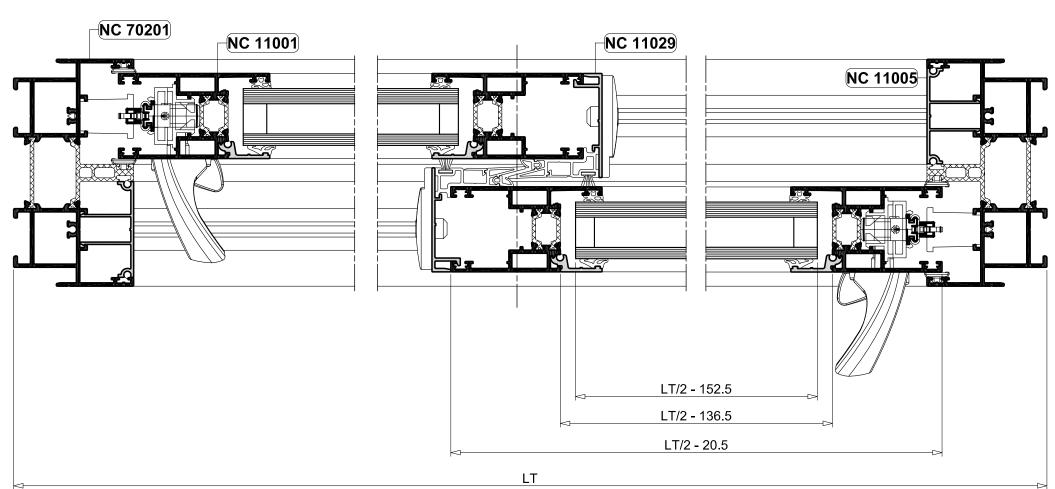
HARDWARE MBZ

CODE	HARDWARE	QUANTITY PER WINDOW
MA6346	LOCK H=152 1 CLOSING POINT	1
MA 6511	SHIM FOR LOCK	2
MA 6518	LOCK CATCH	1
MU 0740	SCREW 4x40	2
MA6347	LOCK H=610 2 CLOSING POINTS	1
MA 6511	SHIM FOR LOCK	4
MA 6518	LOCK CATCH	2
MU 0740	SCREW 4x40	4
MA6348	LOCK H=1080 3 CLOSING POINTS	1
MA 6511	SHIM FOR LOCK	6 (or 8 with extension Ma6531)
MA 6518	LOCK CATCH	3 (or 4 with extension Ma6531)
MA 6531	LOCK EXTENSION L=500 (addition of 1 closing point)	3 (or no one)
MU 0740	SCREW 4x40	6 (or 8 with extension Ma6531)
MA6349	LOCK H=1080 3 CLOSING POINTS WITH CYLINDER	1
MA 6511	SHIM FOR LOCK	8 (or 10 with extension Ma6531)
MA 6518	LOCK CATCH	3 (or 4 with extension Ma6531)
MA 6531	LOCK EXTENSION L=500 (addition of 1 closing point)	1 (or no one)
MA 0962	CYLINDER COVER	1 (or no one)
MS 3003	CYLINDER	1
MU 0740	SCREW 4x40	8 (or 10 with extension Ma6531)
MA6361	LOCK 1 CLOSING POINT WITH CYLINDER	1
MA 6511	SHIM FOR LOCK	4
MA 6518	LOCK CATCH	1
MA 0962	CYLINDER COVER	1 (or no one)
MS 3003	CYLINDER	1
MU 0740	SCREW 4x40	4
CODE	HANDLES	QUANTITY PER WINDOW
MA6351	HANDLE "ESTIVALE"	1
MA6353	HANDLE "ESTIVALE" INTERNAL + EXTERNAL	1
MA6371	HANDLE "HERA"	1
MA6521	HANDLE "CASSIOPEE"	1
A6521 + MA6550	HANDLE "CASSIOPEE" INTERNAL + EXTERNAL	1
MA6523	PULL HANDLE "EOS"	1
MA6541	PULL HANDLE "EOS" MINI	1
MA6542	WINDOW HANDLE "MARINA" SPECIAL FIXING	1
MA6549	WINDOW HANDLE "ATHENA"	1
A6549 + MA6551	WINDOW HANDLE "ATHENA" INTERNAL + EXTERNAL	1
	WINDOW HANDLE "MARINA" SPECIAL FIXING + CONCAVE HANDLE	1

CUTTING SCHEME SOLUTION 2 SLIDING SASHES



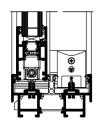




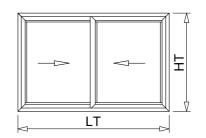
NC-S 120 SD	Cutting schemes	replaces table of	01/07/2010
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06tab_1 TABLE



FOR THE SASHES DIMENSIONS REFER TO THE STATIC DIAGRAMS OF THE CATALOGUE



CODE	PROFILES	QTY		CUT	
NC11001	VERTICAL SASH	4		HT - 111	
NC11001	HORIZONTAL SASH	4		LT/2 - 20.5	
VC70201	VERTICAL FRAME	2		HT	
VC70201	HORIZONTAL FRAME	2		LT - 70	
VC11004	VERTICAL GLASS STOP	4		HT - 271	
NC11004	HORIZONTAL GLASS STOP	4		LT/2 - 136.5	
NC11005	FRAME COVER	2		HT - 78	
VC11006	TRACK SUPPORT	2		LT - 102.5]
NC11029	SASH INTERLOCK	2		HT - 111	
CODE	GASKETS	QTY		СИТ	
Mg 150p	SPACER FOR CENTRAL JUNCTION	2		HT - 169]
Mg 151d	GASKET FOR Mg150p	2		HT - 169	
Mg 152tp	FRAME GASKET FOR SLIDING	8		LT - 127	
Mg 152tp	FRAME GASKET FOR SLIDING	4		HT - 106	
Mg 153d	GASKET FOR GLASS STOP	4		HT - 271	
Mg 153d	GASKET FOR GLASS STOP	4		LT/2 - 136.5	
Mg 386d	EXTERNAL GASKET FOR GLASS	4		HT - 253	
Mg 386d	EXTERNAL GASKET FOR GLASS	4		LT/2 - 163	
Mg 612d	INTERNAL GASKET FOR GLASS	4		HT - 253	
Mg 612d	INTERNAL GASKET FOR GLASS	4	LT/2 - 163		
Mg 661s	BRUSH FOR Mg150p	2		HT - 169	
	* refer to table E1 12 for Mg153D on NC11005				
CODE	ACCESSORIES		QUANTITY PER WINDOW		v
Ma 5521	WATER DRAINAGE BUSH		4		
Ma 6340	VENT TOP PLUG		1		
Ma 6502	CORNER KEY			16	
Ma 6503	ALIGNMENT CORNER KEY			16	
Ma 6504	ALIGNMENT CORNER KEY			8	
Ma 6506	TRACK			2 (L=3.20m)	
Ma 6510	SHAPED PLUG			32	
Ma 6512	KIT LOWER CAPS		1	KIT (1 kit = 4 pcs)	
Ma 6513	KIT CAPS FOR SASH		1	KIT (1 kit = 4 pcs)	
Ma 6517	ANTI-LIFTING CAP			6	
Ma 6524	CAP FOR Ma6517			16	
Ma 6525	KIT CARRIAGES		1 KIT (1 kit = 4 pcs)		
Ma 6527	CAPS FOR MG151P		1 KIT (1 kit = 4 pcs)		
Ma 6528	WATER DRAINAGE CAP		2		
Ma 9142	KIT UPPER TRACK TIGHTNESS		1	KIT (1 kit = 2 pcs)	

NC-S 120 SD	Cutting schemes	replaces table of	01/07/2010
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73 C 06tab_2 SYSTEM GROUP TABLE

HARDWARE MHA

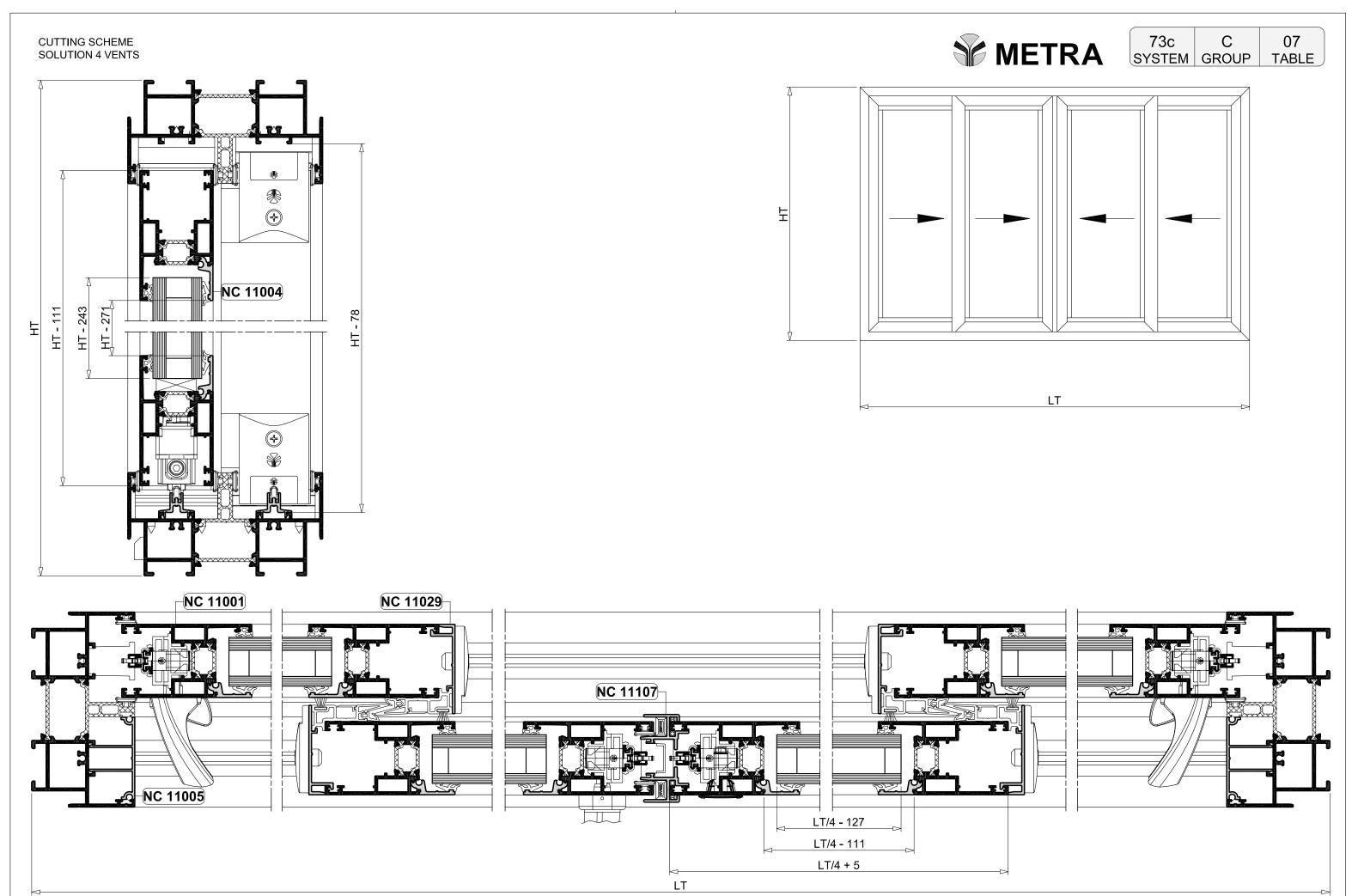
CODE	HARDWARE	QUANTITY PER WINDOW
MA6529	LOCK H=2000 2 or 4 CLOSING POINTS	2
MA 6507	FIXING SHIM	16
MA 6508	KEEPER FOR MHA	4 o 8
MA 6516	WRONG MOVEMENT STOP	2
MA 6535	CYLINDER HOLDER	1 (or no one)
MA 0962	CYLINDER COVER	2
MS 3003	CYLINDER	1 (or no one)
MA6530	LOCK H=500 2 CLOSING POINTS	2
MA 6507	FIXING SHIM	8
MA 6508	KEEPER FOR MHA	4
MA 6516	WRONG MOVEMENT STOP	2
CODE	HANDLES	QUANTITY PER WINDOW
MA6522	WINDOW HANDLE "MARINA" WITH INTERNAL CONCAVE HANDLE	2
MA6523	PULL HANDLE "EOS MP"	2
MA6541	PULL HANDLE "EOS MINI"	2
MA6542	WINDOW HANDLE "MARINA" SPECIAL FIXING	2
MA6547	WINDOW HANDLE "MARINA" SINGLE FIXING	2



73c C 06tab_3 SYSTEM GROUP TABLE

HARDWARE MBZ

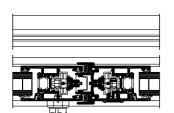
CODE	HARDWARE	QUANTITY PER WINDOW
MA6346	LOCK H=152 1 CLOSING POINT	2
MA 6511	SHIM FOR LOCK	4
MA 6518	LOCK CATCH	2
MU 0740	SCREW 4x40	4
MA6347	LOCK H=610 2 CLOSING POINTS	2
MA 6511	SHIM FOR LOCK	8
MA 6518	LOCK CATCH	4
MU 0740	SCREW 4x40	8
MA6348	LOCK H=1080 3 CLOSING POINTS	2
MA 6511	SHIM FOR LOCK	12 (or 16 with extension Ma6531)
MA 6518	LOCK CATCH	6 (or 8 with extension Ma6531)
MA 6531	LOCK EXTENSION L=500 (addition of 1 closing point)	2 (or no one)
MU 0740	SCREW 4x40	12 (or 16 with extension Ma6531)
MA6349	LOCK H=1080 3 CLOSING POINTS WITH CYLINDER	2
MA 6511	SHIM FOR LOCK	16 (or 20 with extension Ma6531)
MA 6518	LOCK CATCH	6 (or 8 with extension Ma6531)
MA 6531	LOCK EXTENSION L=500 (addition of 1 closing point)	2 (or no one)
MA 0962	CYLINDER COVER	2
MS 3003	CYLINDER	2
MU 0740	SCREW 4x40	16 (or 20 with extension Ma6531)
MA6361	LOCK 1 CLOSING POINT WITH CYLINDER	2
MA 6511	SHIM FOR LOCK	8
MA 6518	LOCK CATCH	2
MA 0962	CYLINDER COVER	2
MS 3003	CYLINDER	2
MU 0740	SCREW 4x40	8
CODE	HANDLES	QUANTITY PER WINDOW
MA6351	HANDLE "ESTIVALE"	2
MA6353	HANDLE "ESTIVALE" INTERNAL + EXTERNAL	2
MA6371	HANDLE "HERA"	2
MA6521	HANDLE "CASSIOPEE"	2
A6521 + MA6550	HANDLE "CASSIOPEE" INTERNAL + EXTERNAL	2
MA6523	PULL HANDLE "EOS"	2
MA6541	PULL HANDLE "EOS" MINI	2
MA6542	WINDOW HANDLE "MARINA" SPECIAL FIXING	2
MA6549	WINDOW HANDLE "ATHENA"	2
IA6549 + MA6551	WINDOW HANDLE "ATHENA" INTERNAL + EXTERNAL	2
170049 · MY0001		



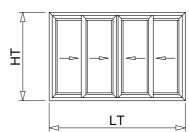
NC-S 120 SD Cutting schemes replaces table of DATE



07tab_1 TABLE



FOR THE SASHES DIMENSIONS REFER TO THE STATIC DIAGRAMS OF THE CATALOGUE



					l
CODE	PROFILES	QTY		TAGLIO	
NC11001	VERTICAL SASH	8		HT - 111	
NC11001	HORIZONTAL SASH	8		LT/4 + 5	7
NC70201	VERTICAL FRAME	2		HT	
NC70201	HORIZONTAL FRAME	2		LT - 70	_
NC11004	VERTICAL GLASS STOP	8		HT - 271	1
NC11004	HORIZONTAL GLASS STOP	8		LT/4 - 111	1
NC11005	FRAME COVER	2		HT - 78	1
NC11006	TRACK SUPPORT	1		LT - 127	1
NC11006	TRACK SUPPORT	1		LT - 78	ĺ
NC11029	SASH INTERLOCK	4		HT - 111	1
NC11107	CENTRAL COVER	2		HT - 161]
CODE	GASKETS	QTY	_	TAGLIO	
Mg 150p	SPACER FOR CENTRAL JUNCTION	4		HT - 169]
Mg 151d	GASKET FOR Mg150p	4		HT - 169	
/lg 152tp	FRAME GASKET FOR SLIDING	8		LT - 106	`
/lg 152tp	FRAME GASKET FOR SLIDING	4		HT - 106	
Mg 153d	GASKET FOR GLASS STOP	8		HT - 271	`
Mg 153d	GASKET FOR GLASS STOP	8		LT/4 - 111	`
Mg 386d	EXTERNAL GASKET FOR GLASS	8		HT - 253	
/lg 386d	EXTERNAL GASKET FOR GLASS	8		LT/4 - 137	`
Vig 612d	INTERNAL GASKET FOR GLASS	8		HT - 253	`
Vg 612d	INTERNAL GASKET FOR GLASS	8		LT/4 - 137	
Mg 661s	BRUSH FOR Mg150p	4		HT - 169	1
-	* refer to table E1 12 for Mg153D on NC11005				
CODE	ACCESSORIES		QL	JANTITY PER WINDO	ow .
N 5504	WATER RRAINAGE BUCH			0	
Ma 5521	WATER DRAINAGE BUSH			8 2	
Ma 6340	VENT TOP PLUG CORNER KEY			32	
Иа 6502 Иа 6503	ALIGNMENT CORNER KEY			32	
	ALIGNMENT CORNER KEY			16	
Ma 6504	TRACK			2 (L=3.20m)	
Ma 6506	SHAPED PLUG				
Ma 6510	KIT LOWER CAPS		າ	64 KITS (1 kit = 4 pcs)	
Ma 6512				KITS (1 kit = 4 pcs)	
Ma 6513	KIT CAPS FOR SASH ANTI-LIFTING CAP			8	
Ma 6517				8 KIT (1 kit = 4 pcs)	
Ma 6520	KIT CAPS FOR SASH JUNCTION			. ,	
Ma 6524	CAP FOR Ma6517		16		
Ma 6525	KIT CARRIAGES			KITS (1 kit = 4 pcs)	
Ma 6527	CAPS FOR MG151P		2	KITS (1 kit = 4 pcs)	
Ma 6528 Ma 9142	WATER DRAINAGE CAP KIT UPPER TRACK TIGHTNESS		2	2 KITS (1 kit = 2 pcs)	
	GLAZING	SASHES	4 SHEETS	HT - 208	LT/4 - 127

NC-S 120 SD	Cutting schemes	replaces table of	01/07/2010



73c C 07tab_2 SYSTEM GROUP TABLE

HARDWARE MHA

CODE	HARDWARE	QUANTITY PER WINDOW
MA6529	LOCK H=2000 2 or 4 CLOSING POINTS	4
MA 6507	FIXING SHIM	32
MA 6508	KEEPER FOR MHA	4 o 8
MA 6516	WRONG MOVEMENT STOP	2
MA 6532	LOCK CATCH KIT	2 o 4
MA 6535	CYLINDER HOLDER	1 (or no one)
MA 0962	CYLINDER COVER	1 (or no one)
MS 3003	CYLINDER	1 (or no one)
MA6530	LOCK H=500 2 CLOSING POINTS	4
MA 6507	FIXING SHIM	16
MA 6508	KEEPER FOR MHA	4
MA 6516	WRONG MOVEMENT STOP	2
MA 6532	LOCK CATCH KIT	2
CODE	HANDLES	QUANTITY PER WINDOW
MA6522	WINDOW HANDLE "MARINA" WITH INTERNAL CONCAVE HANDLE	4
MA6523	PULL HANDLE "EOS MP"	4
MA6541	PULL HANDLE "EOS MINI"	4
MA6542	WINDOW HANDLE "MARINA" SPECIAL FIXING	4
MA6547	WINDOW HANDLE "MARINA" SINGLE FIXING	4

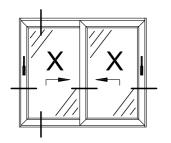


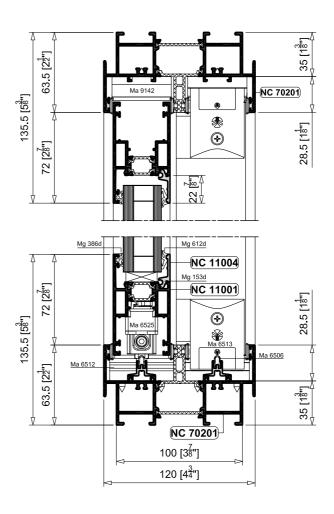
73c 07tab_3 TABLE С SYSTEM GROUP

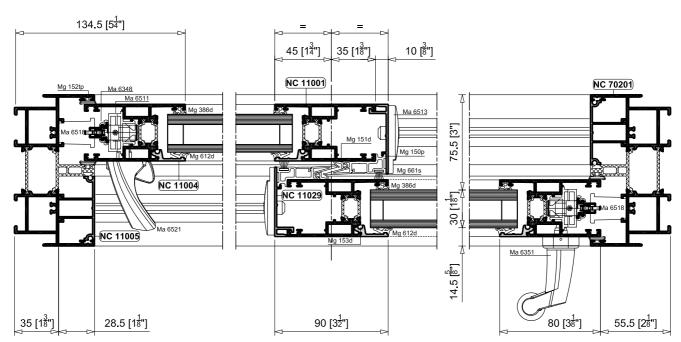
HARDWARE MBZ

CODE	HARDWARE	QUANTITY PER WINDOW
MA6346	LOCK H=152 1 CLOSING POINT	4
MA 6511	SHIM FOR LOCK	8
MA 6518	LOCK CATCH	4
MA 6519	LOCK CATCH SMALL	1
MA 6534	LOCK CATCH FIXING PLATE	8
MA6347	LOCK H=610 2 CLOSING POINTS	3
MA 6346	LOCK H=152 1 CLOSING POINT	1
MA 6511	SHIM FOR LOCK	14
MA 6518	LOCK CATCH	4
MA 6519	LOCK CATCH SMALL	2
MA 6534	LOCK CATCH FIXING PLATE	4
MA6348	LOCK H=1080 3 CLOSING POINTS	3
MA 6346	LOCK H=152 1 CLOSING POINT	1
MA 6511	SHIM FOR LOCK	20 (or 26 with extension Ma6531)
MA 6518	LOCK CATCH	6 (or 8 with extension Ma6531)
MA 6519	LOCK CATCH SMALL	3 (or 4 with extension Ma6531)
MA 6531	LOCK EXTENSION L=500 (addition of 1 closing point)	3 (or no one)
MA 6534	LOCK CATCH FIXING PLATE	6 (or 8 with extension Ma6531)
MA6349	LOCK H=1080 3 CLOSING POINTS WITH CYLINDER	3
MA 6346	LOCK H=152 1 CLOSING POINT	1
MA 6511	SHIM FOR LOCK	24 (or 30 with extension Ma6531)
MA 6518	LOCK CATCH	6 (or 8 with extension Ma6531)
MA 6519	LOCK CATCH SMALL	3 (or 4 with extension Ma6531)
MA 6531	LOCK EXTENSION L=500 (addition of 1 closing point)	3 (or no one)
MA 6534	LOCK CATCH FIXING PLATE	6 (or 8 with extension Ma6531)
MA 0962	CYLINDER COVER	3
MS 3003	CYLINDER	3
MA6361	LOCK 1 CLOSING POINT WITH CYLINDER	2
MA 6346	LOCK H=152 1 CLOSING POINT	1
MA 6511	SHIM FOR LOCK	8
MA 6518	LOCK CATCH	2
MA 6519	LOCK CATCH SMALL	1
MA 6534	LOCK CATCH FIXING PLATE	2
MA 0962	CYLINDER COVER	3
MS 3003	CYLINDER	3
CODE	HANDLES	QUANTITY PER WINDOW
MA6351	HANDLE "ESTIVALE"	4
MA6371	HANDLE "HERA"	4
MA6521	HANDLE "CASSIOPEE"	4
MA6523	PULL HANDLE "EOS MP"	4
MA6541	PULL HANDLE "EOS" MINI	4
MA6542	WINDOW HANDLE "MARINA" SPECIAL FIXING	4
MA6549	WINDOW HANDLE "ATHENA"	4
A6549 + MA6551	WINDOW HANDLE "ATHENA" INTERNAL + EXTERNAL	4
A6542 + MA6581	WINDOW HANDLE "MARINA" SPECIAL FIXING + CONCAVE HANDLE	4
10042 T INCOOT	WINDOW HANDLE WANTING SPECIAL FIXING TOUNGAVE HANDLE	4







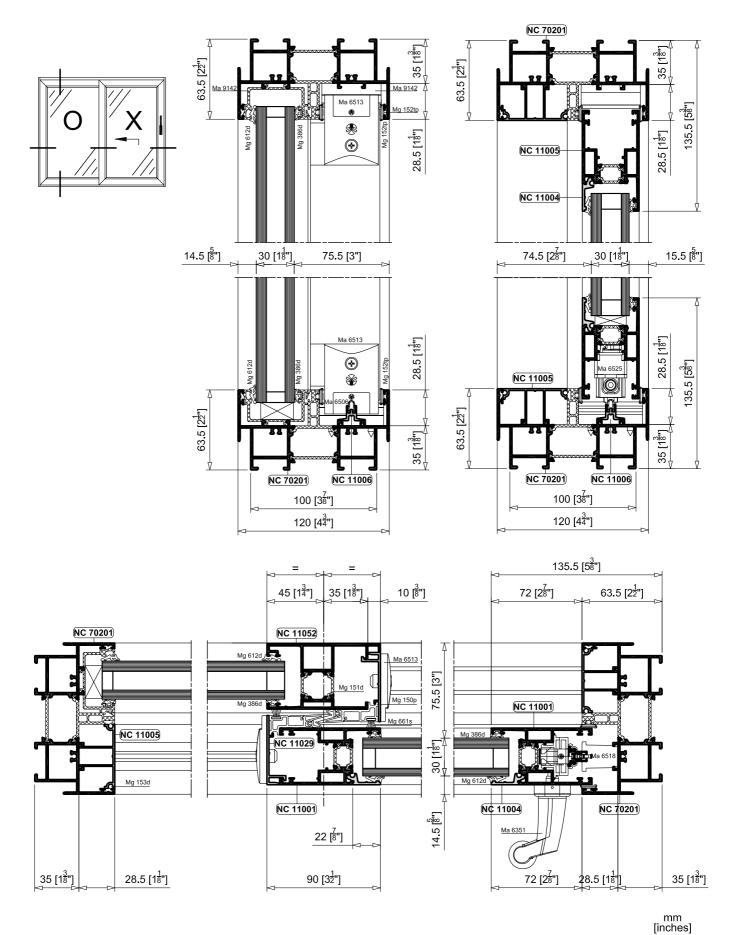


mm [inches] SCALE 1:3

NC-S 120 SD	SECTIONS	replaces page of	2009/11



73c D 02 SYSTEM GROUP PAGE

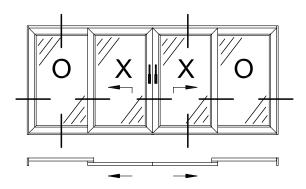


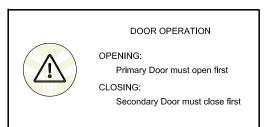
[inches] SCALE 1:3

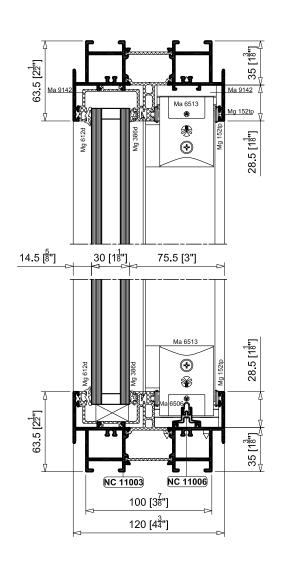
NC-S 120 SD	SECTIONS	replaces page of	2009/11	
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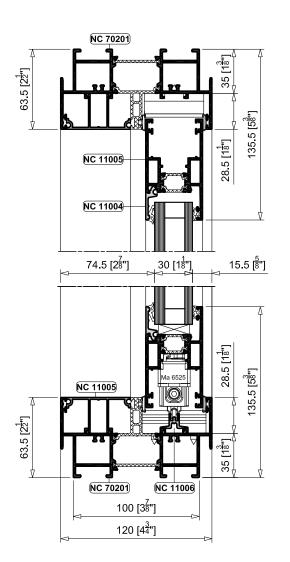


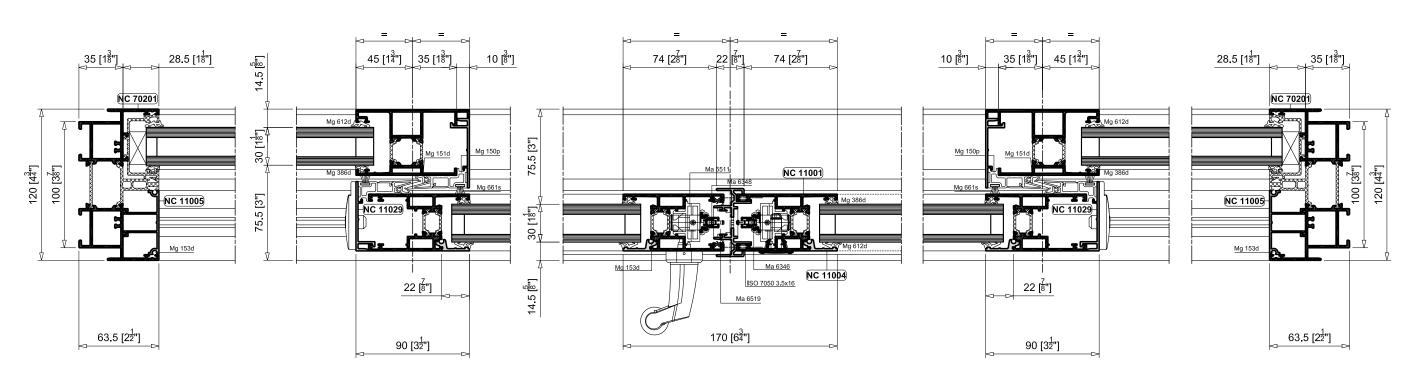












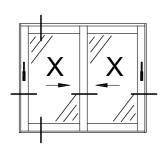
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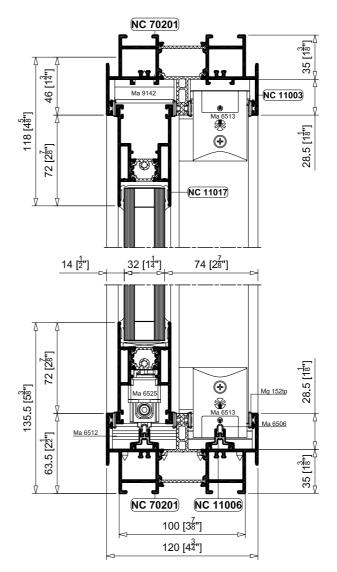
²A3

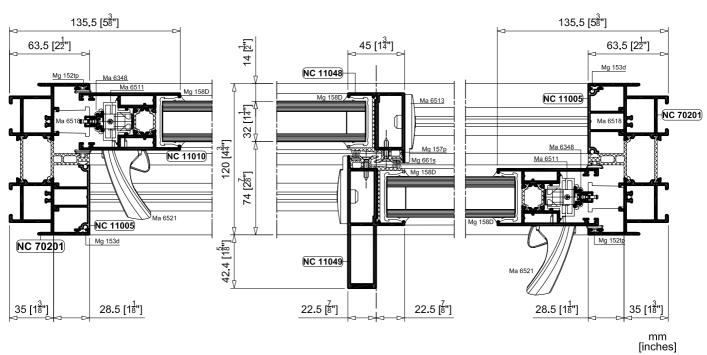
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SCALE 1:3







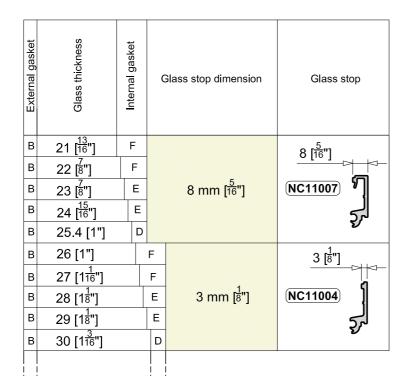


SCALE 1:3



73c Ev 01 SYSTEM GROUP TABLE

GLAZING SASH 45°



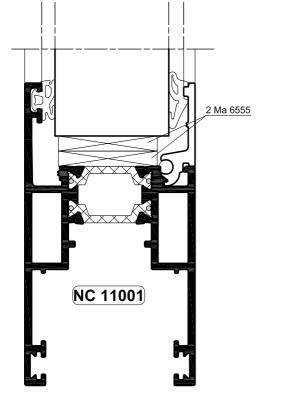




IMPORTANT: The dimensions shown are theoretical.

The profiles dimensions and glass thickness are subject to production tolerances and must be always checked.

Any eventual difference between the theoretical dimensions and the real ones can be adjusted by changing the internal gasket.



	Code	Ref.	Dimension
Outside Gaskets	ළැට් Mg 386D	В	3.5 mm [$\frac{1}{8}$ "]
Outs	(50%) Mg 761D	С	4 mm [$\frac{3}{16}$ "]

0	€ Mg 612D	D	3 mm [$\frac{1}{8}$ "] to 4 mm [$\frac{3}{16}$ "]
n side Saskets	₩g 613D	Е	4.5 mm $\left[\frac{3}{16}\right]$ to 6 mm $\left[\frac{1}{4}\right]$
_ = 0	Mg 614D	F	6.5 mm $\left[\frac{1}{4}\right]$ to 8 mm $\left[\frac{5}{16}\right]$

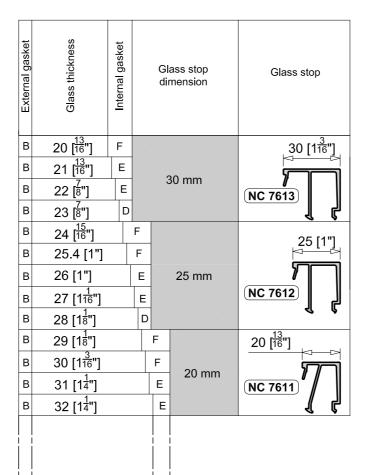
Scale 1:1

NC-S 120 SD	Glazing	replaces table of	01/07/2010



73c ev 02 SYSTEM GROUP TABLE

GLAZING OVERHEAD FIXED FRAME



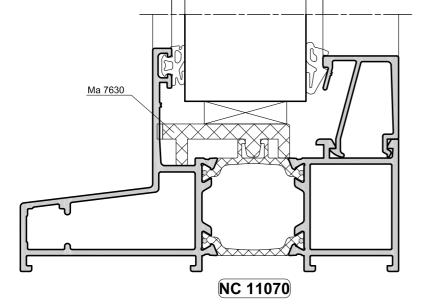




IMPORTANT: The dimensions shown are theoretical.

The profiles dimensions and glass thickness are subject to production tolerances and must be always checked.

Any eventual difference between the theoretical dimensions and the real ones can be adjusted by changing the internal gasket.



	Code	Ref.	Dimension
Outside _{Gaskets}	ළිලි Mg 386D	В	3.5 mm [$\frac{1}{8}$ "]
Out Gas	(Mg 761D	С	4 mm [³ / ₁₆ "]

υ ω	⊘ Mg 612D	D	3 mm [8"] to 4 mm [3"]
nsid _{Sasket}	₩g 613D	Е	4.5 mm [$\frac{3}{16}$ "] to 6 mm [$\frac{1}{4}$ "]
	Mg 614D	F	6.5 mm $\left[\frac{1}{4}\right]$ to 8 mm $\left[\frac{5}{16}\right]$

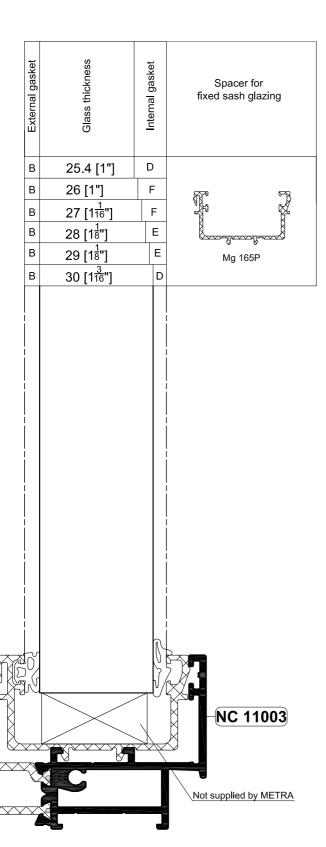
Scale 1:1

NC-S 120 SD	Glazing	replaces table of	01/07/2010



73c ev 03 SYSTEM GROUP TABLE

GLAZING FIXED







IMPORTANT: The dimensions shown are theoretical.

The profiles dimensions and glass thickness are subject to production tolerances and must be always checked.

Any eventual difference between the theoretical dimensions and the real ones can be adjusted by changing the internal gasket.

	Code	Ref.	Dimension
Side	ූූට් Mg 386D	В	3.5 mm [$\frac{1}{8}$ "]
Outsid Gaskets	(50 Mg 761D	С	4 mm [³ / ₁₆ "]

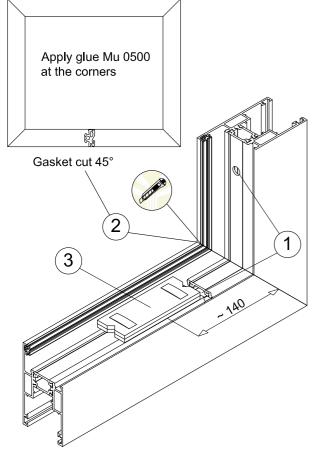
In side Gaskets	€ Mg 612D	D	3 mm $[\frac{1}{8}]$ to 4 mm $[\frac{3}{16}]$	
	₩g 613D	Е	4.5 mm $\left[\frac{3}{16}\right]$ to 6 mm $\left[\frac{1}{4}\right]$	
_	Mg 614D	F	6.5 mm $[\frac{1}{4}]$ to 8 mm $[\frac{5}{16}]$	

Scale 1:1

NC-S 120 SD	Glazing	replaces table of	01/07/2010

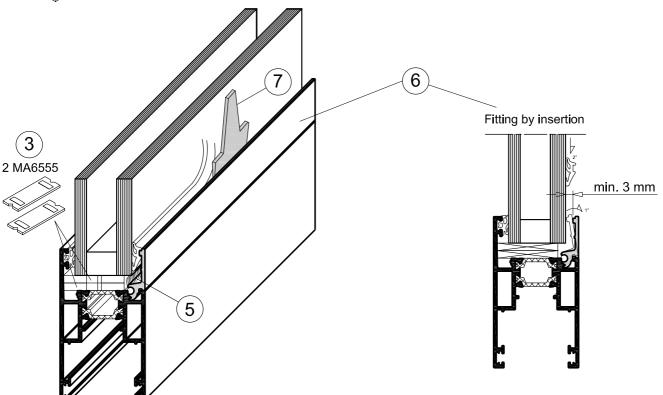
73c ev 04 SYSTEM GROUP TABLE

GLAZING FITTING OF THE GLASS



- 1. Check that the machining for drainage and ventilation is done in conformity with technical catalogues prescriptions (refer to table E2 01).
- 2. Carry out the external gasket assembly. Seal the corners (external gasket) and the upper central junction (internal gasket).
- 3. Position the glass sheet pressing it with care against the external gasket during the insertion of the dowels.
 - The spacing dowels must be paced as per the figure aside; they stabilize the positioning of the glazing.
- Check the correct squaring of the sash by measuring the diagonals.
- 5. Seal the support bases and the dowels in order to constrain them to the profile.
- 6. Fit the glass stop by insertion method.
- 7. Press the glass sheet against the external gasket by means of a specific wedge-shaped tool.
- 8. Insert the internal gasket for glass and place it using a roller tool.
- 9. In order to make the insertion easier, we recommend to lublicate the gasket.

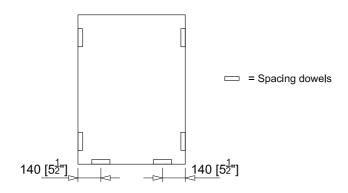
CHECK THE CORRECT OPERATION OF THE SASH





73c ev 05 SYSTEM GROUP TABLE

GLAZING POSITIONING OF SPACING DOWELS



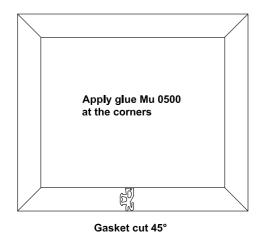
For the correct opening/closing operation and functioning of the gaskets both of windows and doors, it is essential to provide the correct shimming of glazing.

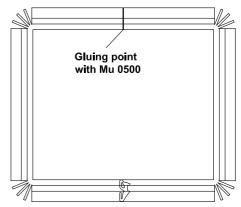
Use the dowels as shown in the catalogue.

INDICATIONS FOR THE USE OF GASKETS FOR GLAZING

External gaskets for glazing					
Code	Dimension	Material	Color	Fitting	
Mg 386d	5 [ie] 3 - 3,5 [e]	EPDM	Black	Cut 45°	
Mg 761d	5 [कि"] 4 [कि"]	EPDM	Black	Cut 45°	

Internal gaskets for glazing					
Code	Dimension	Reference	Material	Color	Fitting
Mg 612d	3 [8"] - 4 [36"]		EPDM	Black	Continuous along the perlmeter
Mg 613d	4.5 [16"] - 6 [1"]	Rif. Verde	EPDM	Black	Continuous along the perimeter
Mg 614d	6.5 [¹ / ₄ "] - 8 [⁵ / ₁₆ "]	Rif. Blu	EPDM	Black	Continuous along the perimeter





Continuous gasket along the perimeter

The tables for the use of glazing and gaskets for glazing published in this catalogue show working dimensions purely theoretical. It is necessary to choose the glass stop and the gaskets considering the real dimensions of glazing and profiles determined by the production tolerances.

NC-S 120 SD	Glazing	replaces table of	01/07/2010