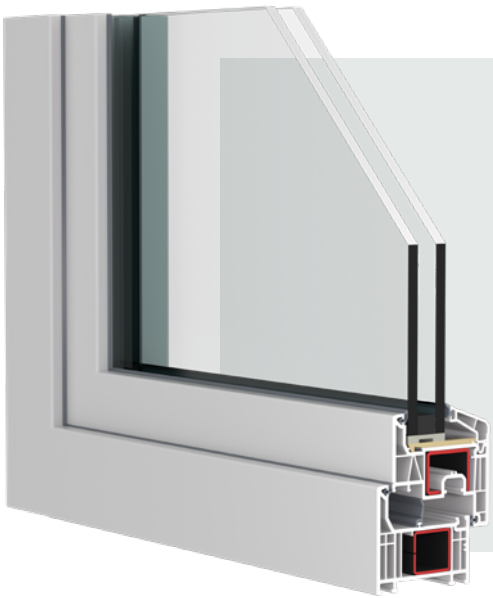
TECHNICAL DATA SHEET

Windows → **Windows and french windows in PVC**

DAUNIA
INFISSI ITALIANI



SERIES

UNICO

The Unico system, with repairs in galvanized steel reinforcements, protects every type of interior at 360°. With a sash rebate of 9 mm, Unico windows and French windows simplify the design by optimizing space. They have traditional front water drainage holes to let the rain drain away without causing damage, rather than the typical aluminum bench. Unico system has ROTO NX Sil level 6" hardware, based on the already tested "NT" system but more efficiency, safety, comfort and resistance to orrosion.

Robustness and resistance:
Resists thermal
and mechanical stress.

Ventilation grille:
Hides the unsightly upper ventilation
slots in the frame.

Fastening cap:
Covers the screws used
for fastening.

THERMAL TRANSMITTANCE

NODE (Uf)	1,00 W/m² K
GLASS (Ug)	1,10 W/m² K
COMBINATION (Uw)	1,20 W/m² K

Uw up to 0,83 W/m² K (with appropriate glazing)
Uw: thermal values of the individual frame components (frame and glazing)

TECHNICAL SPECIFICATIONS

- 6 chambers with a construction depth of 76 mm
- Double rabbet seal + central seal
- Galvanised steel reinforcements with a thickness of notable dimensions
- Welded seal on slanted joints
- Certified Double glazing featuring high-level heat and sound insulation with Warm Edge duct
- Glass-casement bonding with special foam for improved structure and sound insulation
- Possibility to use double glazing up to 60 mm thick
- Roto NX, burglar-proof metal hardware with bottom hung casement as standard for the correct ventilation of the room
- Product 100% Made in Italy
- 100% recyclable

VERIFICATIONS
to which the system has been subjected

SERIES
UNICO

VERIFICATION	VERIFICATION RESULT	OBSERVATIONS
Summary of test report 0036/21	Air permeability according to **EN 12207 - UNI EN 120207: class 4** Resistance to driving rain compliant with **EN 1227 - UNI EN 12208: class 9A** Wind resistance according to **EN 12211 - UNI EN 12210: class C4**	Verification based on different frame and sash combinations
Suitability verification for ventilation window	Air permeability according to **UNI EN 12207: class 4** Resistance to driving rain compliant with **DIN EN 12208: class 9A**	
Sound insulation verification	Sound protection classes 2, 3, 4, and 5	Verification based on different frame - sash and glass combinations
Thermal insulation verification	Thermal transmittance coefficient (U-value) Uf= 1,00 W/m²K	Verification carried out for combination 5103/5150

Thermal insulation for Window type:
1230 x 1480 mm - Frame/Sash node value:
Uf 1,00 W/m²K

- with double glazing and Warm Edge duct
  Ug 1,10 W/m²K - Psi 0,037
  Thermal insulation in class A with Uw 1,20 W/m²K
- with double glazing and Warm Edge duct
  Ug 0,90 W/m²K - Psi 0.037
  Thermal insulation in class A with Uw 1,08 W/m²K
- with double glazed unit and Warm Edge duct
  Ug 0,50 W/m2K - Psi 0,037
  (Maximum thickness of the glass is 60 mm)
  Thermal insulation in class A with Uw 0,83 W/m²K

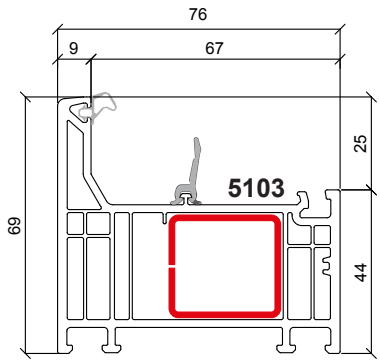
Hardware System Specification:

- Standard Roto NX hardware, load capacity 130 kg
- Burglar-proof class WK1, with false operation device and micro-ventilation
- Special RotoSil Nano surface treatment according to the Class 4 based on the requirement of DIN EN 13126/8
- Fastenings screwed onto reinforcement with the possibility of increasing the degree of break-in

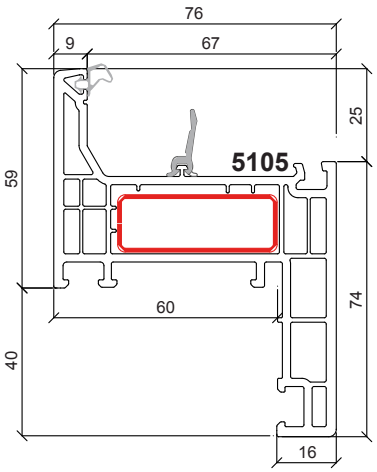
On request

- Hardware with optional systems with resistance class WK2 - WK3 (WK3 not certifiable)

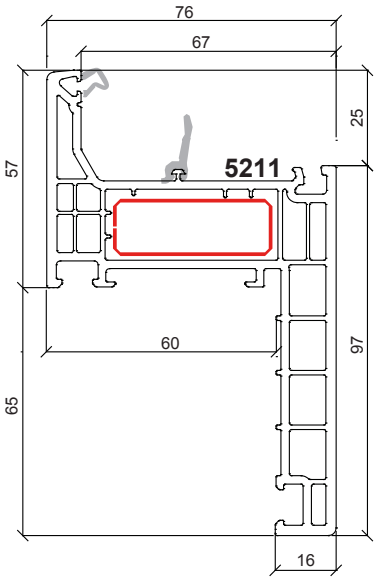
Frame



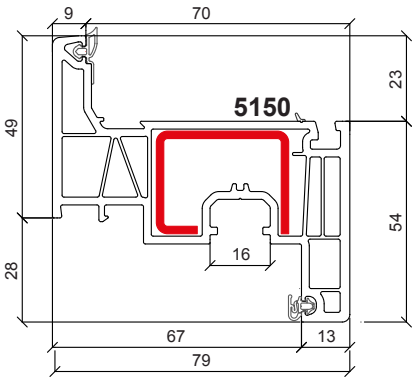
Frame



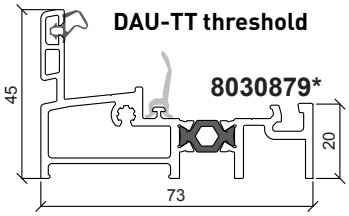
Frame



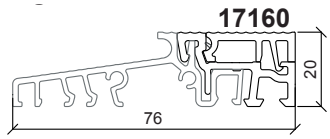
Door



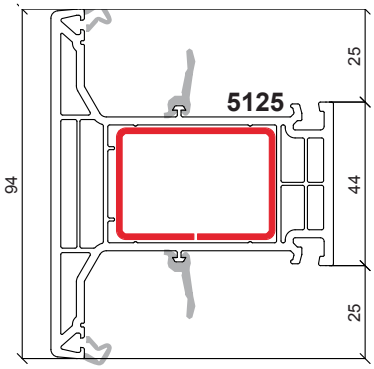
DAU-TT threshold



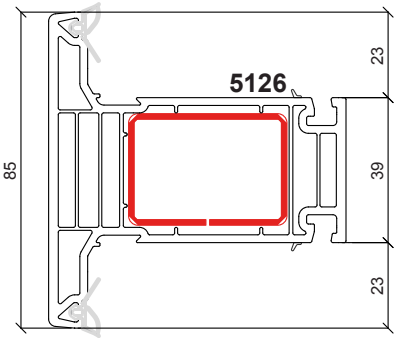
DEK TT low threshold



Transom/Muillion on frame

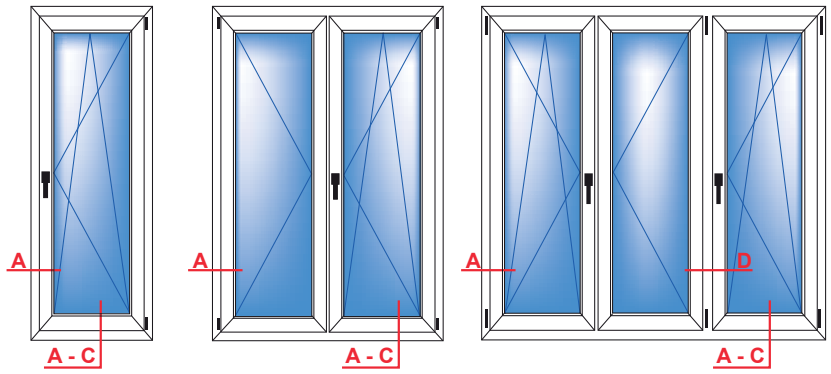


Transom on sash

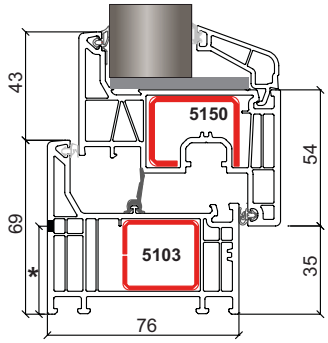


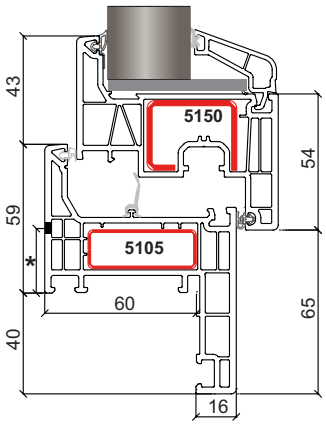
*only on frame 5103

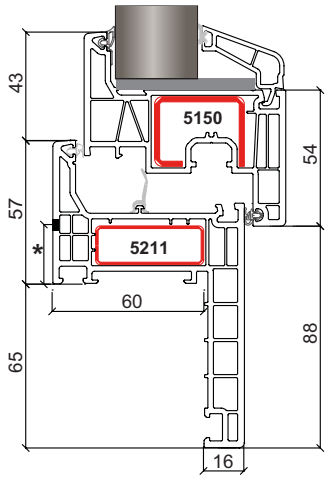
1:2 scale



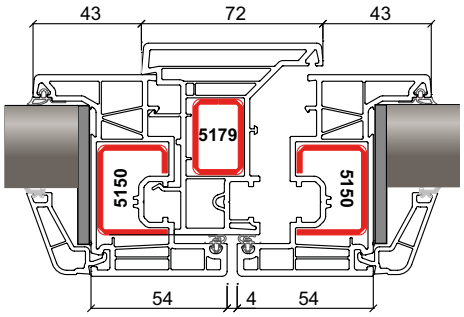
Section A - C
Frame - Sash



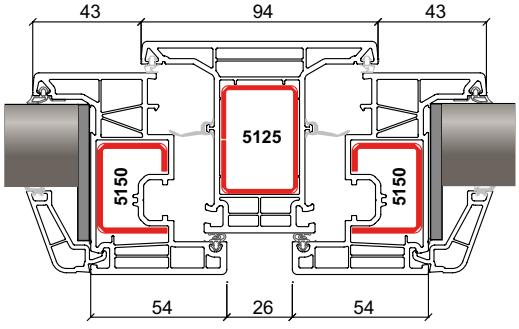




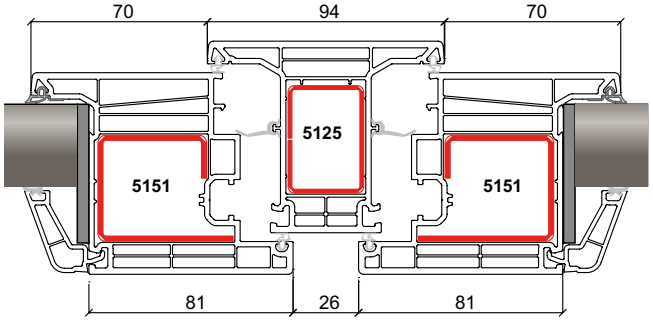
Section B
Central node 2 sashes



Section D
Sash node - Transom - Sash

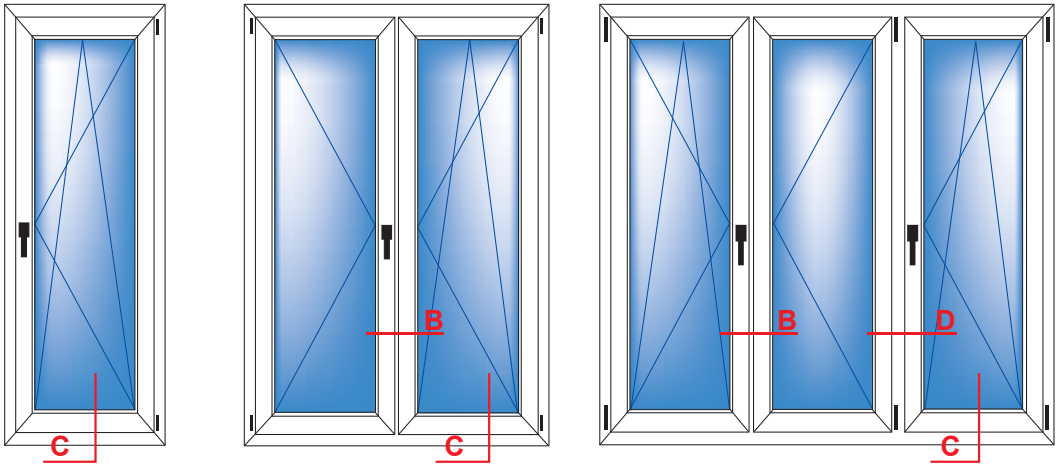


Section D
Sash node - Transom - Sash

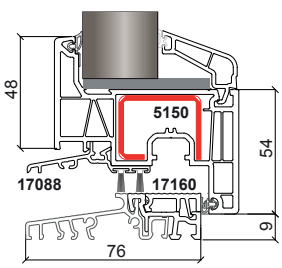


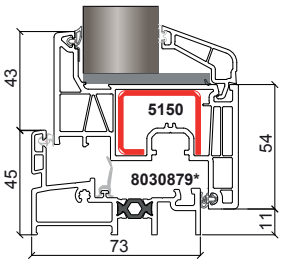
1:3 scale

On the frame, at the height of the water drainage hole, approximately 35 mm (center of the hole), on Z-profile frames, the height of the water drainage hole is approximately 25 mm (center of the hole).

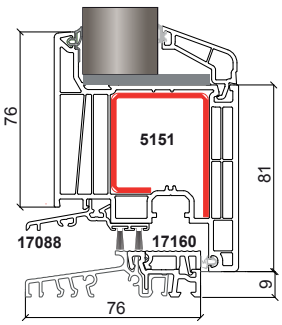


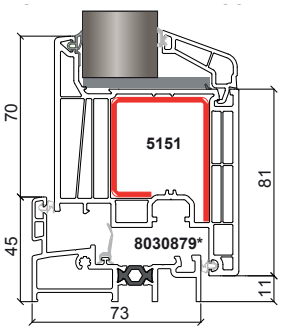
Section C
Threshold - Sash





Section C
Threshold - Semi-rebated sash





Frame 5103 with threshold 8030879
Assembly detail

***only on frame 5103**

1:3 scale

COLORATIONS/ AVAILABLE COLOURS

SERIES
UNICO

BATCH COLOURS

Bianco 3

Avorio 096

TYPE A COATING

Ciliegio 110

Noce 154

Bianco classico 100

Crema 96

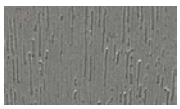
Cedro sbiancato 694

Grigio Cedro 143

Grigio 004

Verde scuro 006

Grigio Antracite liscio 048



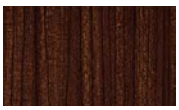
Grigio Quarzo 068

Grigio Antracite 072

Blu Acciaio 079

Winchester 109

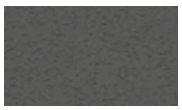
Bronzo scuro 138



Macore 144

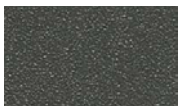
Alluminio Grigio 184

Douglas 402



Grigio Basalto liscio 628

Grigio liscio 651



Alux DB703 653

Noce Sorrento Balsamico 663

Grigio Basalto 667

Grigio Antracite Stylo 686

Nero Grafite Stylo 690

Grigio Chiaro 907

Alluminio liscio 911

Alluminio Bianco 925

Marrone cioccolato 008

TYPE B COATING

Rosso scuro 027

Nero Grafite Matt 043

Grigio Ombra Matt 044

Woodec Turner Oak Matt 047

Grigio Antracite Matt 103

Bronzo spazzolato 119

Verde Muschio 134

Bianco Matt 358

Woodec Turner Oak Toffee 342

Woodec Turner Oak Walnut 346

Woodec Sheffield Oak Concrete 036

Woodec Sheffield Oak Alphine 042