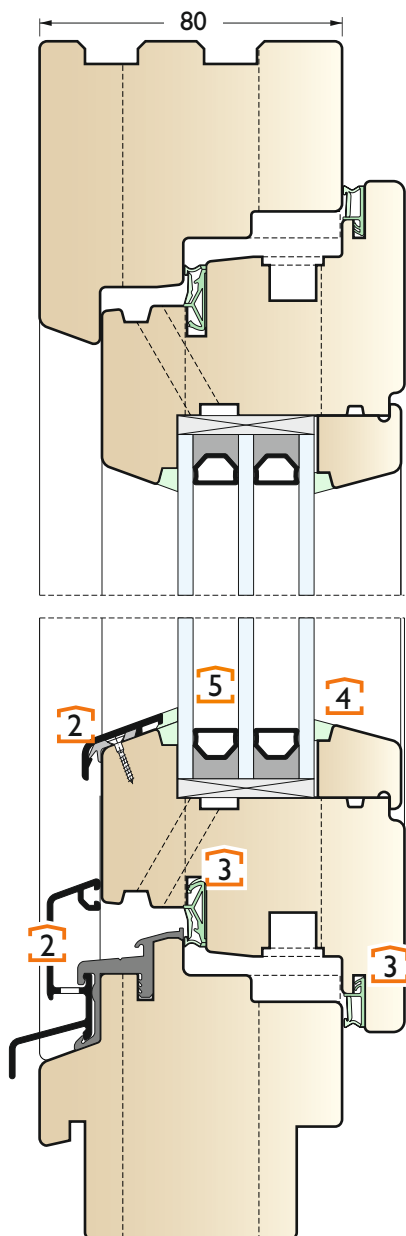


INO-80

window - vertical section



1 PROFILES:

Wood frame profiles and casements with a thickness of 80 mm meet the constructional requirements of the DIN 68121 standard.

The profiles are three layers of wood joined together using waterproof D4 adhesive according to the EN 204 and EN 143257 standards.

WOOD TYPE:

You can choose from the following species of wood: spruce, pine, larch, oak and meranti.

HARDWARE

We install ROTO NX hardware in a silver colour. The certified load-bearing capacity of the standard installed hardware is 150 kg.

2 A PROTECTIVE ALUMINIUM PROFILE

on the bottom casement crossbeam provides weather protection. Weatherstrip and protective aluminium profiles in various colours.

3 PERMANENT ELASTIC SEALS

Serial built-in seals made from high quality TPE material.

4 SEALANT

The colour of the sealant matches the colour of the product surface.

5 GLAZING

You can choose from a variety of thermal and acoustic insulated and safety glass. A spacer between glass made from rustproof metal sheet or plastic material (TGI) further improves the thermal characteristics of the product.



Thermal transfer coefficient

INO-80 (soft wood)		
$U_f - W/m^2K$	$U_g - W/m^2K$	$U_w - W/m^2K$
1,2	1,1 (TGI)	1,2
	1,0 (TGI)	1,2
	0,7 (TGI)	0,96
	0,5 (TGI)	0,83

INO-80 (thermally modified spruce wood)		
$U_f - W/m^2K$	$U_g - W/m^2K$	$U_w - W/m^2K$
1,0	0,7 (TGI)	0,90
	0,5 (TGI)	0,76

Legend

$U_f - W/m^2K$ Thermal transfer coefficient on frame window unit calculated according to EN ISO 10077-2.

$U_g - W/m^2K$ Thermal transfer coefficient on glazing.

$U_w - W/m^2K$ Thermal transfer coefficient on complete window unit calculated according to EN ISO 10077-1.

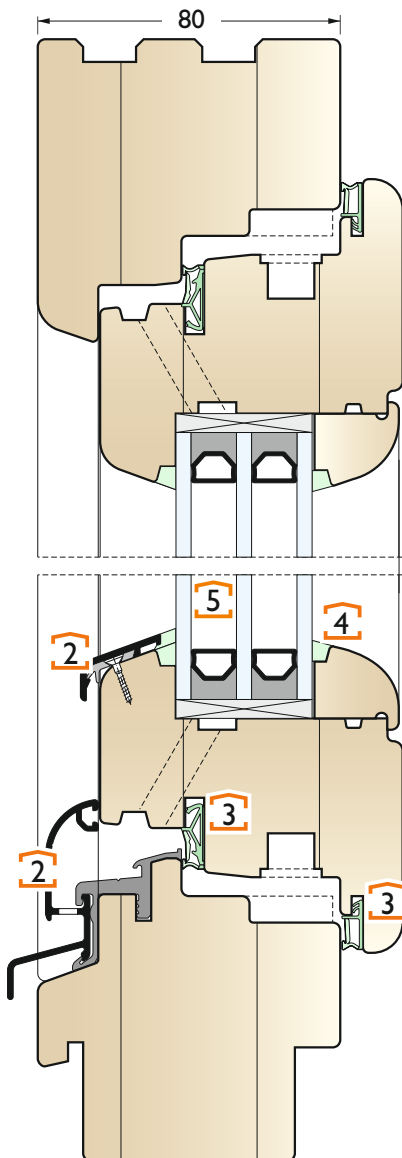
Possible execution

EXECUTION	INO-80
Windows and balcony doors	⊕
Fixed elements	⊕
Sliding-tilting	⊕
Lifting-sliding	⊕
Folding-articulated	⊕
Balcony doors opening outwards	⊕

Legend ⊕ - possible ⊗ - not possible

INO-80 Soft A

window - vertical section



1 PROFILES:

Wood frame profiles and casements with a thickness of 80 mm meet the constructional requirements of the DIN 68121 standard.

The profiles are three layers of wood joined together using waterproof D4 adhesive according to the EN 204 and EN 143257 standards.

WOOD TYPE:

You can choose from the following species of wood: spruce, pine, larch, oak and meranti.

HARDWARE

We install ROTO NT hardware in a silver colour. The certified load-bearing capacity of the standard installed hardware is 150 kg.

2 A PROTECTIVE ALUMINIUM PROFILE

on the bottom casement crossbeam provides weather protection. Weatherstrip and protective aluminium profiles in various colours.

3 PERMANENT ELASTIC SEALS

Serial built-in seals made from high quality TPE material.

4 SEALANT

The colour of the sealant matches the colour of the product surface.

5 GLAZING

You can choose from a variety of thermal and acoustic insulated and safety glass. A spacer between glass made from rustproof metal sheet or plastic material (TGI) further improves the thermal characteristics of the product.



Thermal transfer coefficient

INO-80 Soft A (soft wood)		
$U_f - W/m^2K$	$U_g - W/m^2K$	$U_w - W/m^2K$
1,2	1,1 (TGI)	1,2
	1,0 (TGI)	1,2
	0,7 (TGI)	0,96
	0,5 (TGI)	0,83

Legend

$U_f - W/m^2K$ Thermal transfer coefficient on frame window unit calculated according to EN ISO 10077-2.

$U_g - W/m^2K$ Thermal transfer coefficient on glazing.

$U_w - W/m^2K$ Thermal transfer coefficient on complete window unit calculated according to EN ISO 10077-1.

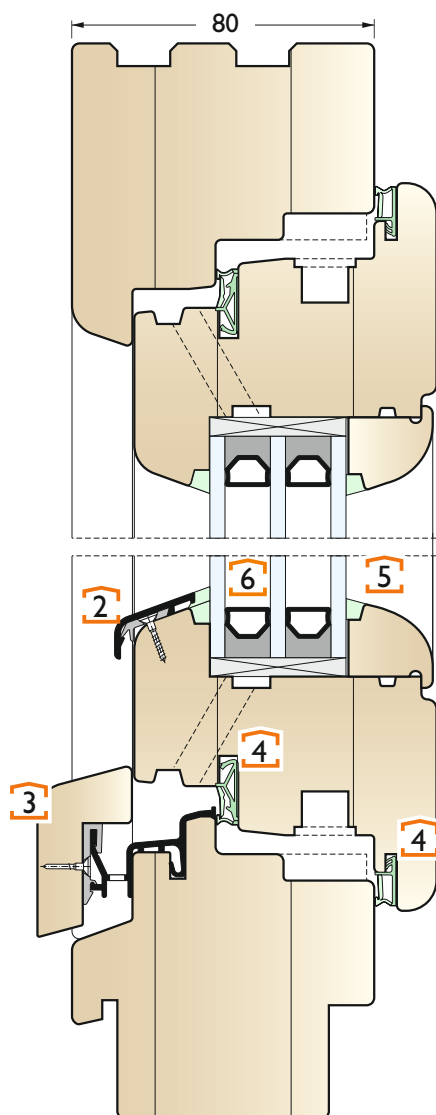
Possible execution

EXECUTION	INO-80 Soft A
Windows and balcony doors	⊕
Fixed elements	⊕
Sliding-tilting	⊕
Lifting-sliding	⊕
Folding-articulated	⊕
Balcony doors opening outwards	⊕

Legend ⊕ - possible ⊗ - not possible

INO-80 Soft B

window - vertical section



1 PROFILES:

Wood frame profiles and casements with a thickness of 80 mm meet the constructional requirements of the DIN 68121 standard.

The profiles are three layers of wood joined together using waterproof D4 adhesive according to the EN 204 and EN 143257 standards.

WOOD TYPE:

You can choose from the following species of wood: spruce, pine, larch, oak and meranti.

HARDWARE

We install ROTO NT hardware in a silver colour. The certified load-bearing capacity of the standard installed hardware is 150 kg.

2 A PROTECTIVE ALUMINIUM PROFILE

on the bottom casement crossbeam provides weather protection.

3 PERMANENT ELASTIC SEALS

Serial built-in seals made from high quality TPE material.

4 SEALANT

The colour of the sealant matches the colour of the product surface.

5 GLAZING

You can choose from a variety of thermal and acoustic insulated and safety glass. A spacer between glass made from rustproof metal sheet or plastic material (TGI) further improves the thermal characteristics of the product.



Thermal transfer coefficient

INO-80 Soft B (soft wood)		
$U_f - W/m^2K$	$U_g - W/m^2K$	$U_w - W/m^2K$
1,2	1,1 (TGI)	1,2
	1,0 (TGI)	1,2
	0,7 (TGI)	0,96
	0,5 (TGI)	0,83

Legend

$U_f - W/m^2K$ Thermal transfer coefficient on frame window unit calculated according to EN ISO 10077-2.

$U_g - W/m^2K$ Thermal transfer coefficient on glazing.

$U_w - W/m^2K$ Thermal transfer coefficient on complete window unit calculated according to EN ISO 10077-1.

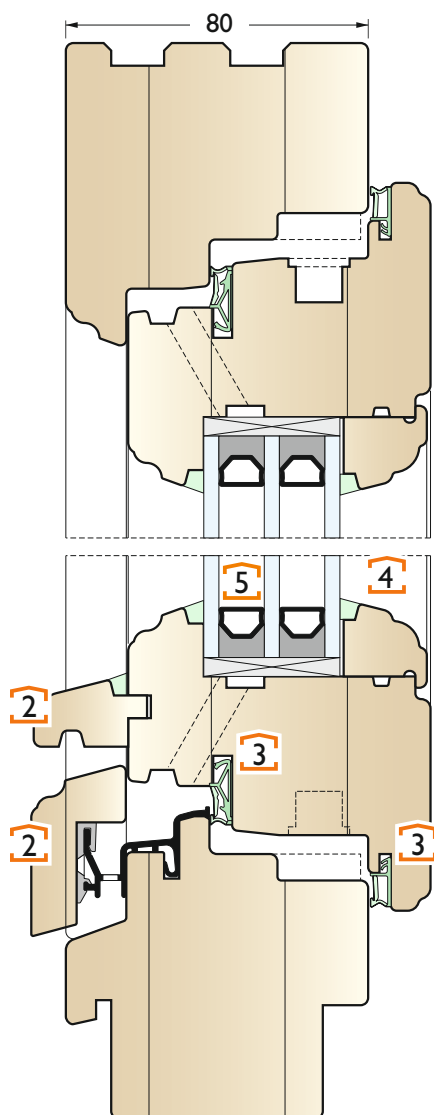
Possible execution

EXECUTION	INO-80 Soft B
Windows and balcony doors	
Fixed elements	
Sliding-tilting	
Lifting-sliding	
Folding-articulated	
Balcony doors opening outwards	

Legend  - possible  - not possible

INO-80 Stil A

window - vertical section



1 PROFILES:

Wood frame profiles and casements with a thickness of 80 mm meet the constructional requirements of the DIN 68121 standard.

The profiles are three layers of wood joined together using waterproof D4 adhesive according to the EN 204 and EN 143257 standards.

WOOD TYPE:

You can choose from the following species of wood: spruce, pine, larch, oak and meranti.A

HARDWARE

We install ROTO NT hardware in a silver colour. The certified load-bearing capacity of the standard installed hardware is 150 kg.

2 WOOD WEATHERBOARD

and sophisticated style, is also suitable for buildings under heritage protection.

3 PERMANENT ELASTIC SEALS

Serial built-in seals made from high quality TPE material.

4 SEALANT

The colour of the sealant matches the colour of the product surface.

5 GLAZING

You can choose from a variety of thermal and acoustic insulated and safety glass.

A spacer between glass made from rustproof metal sheet or plastic material (TGI) further improves the thermal characteristics of the product.



Thermal transfer coefficient

INO-80 Stil A (soft wood)		
$U_f - W/m^2K$	$U_g - W/m^2K$	$U_w - W/m^2K$
1,2	1,1 (TGI)	1,2
	1,0 (TGI)	1,2
	0,7 (TGI)	0,96
	0,5 (TGI)	0,83

Legend

$U_f - W/m^2K$ Thermal transfer coefficient on frame window unit calculated according to EN ISO 10077-2.

$U_g - W/m^2K$ Thermal transfer coefficient on glazing.

$U_w - W/m^2K$ Thermal transfer coefficient on complete window unit calculated according to EN ISO 10077-1.

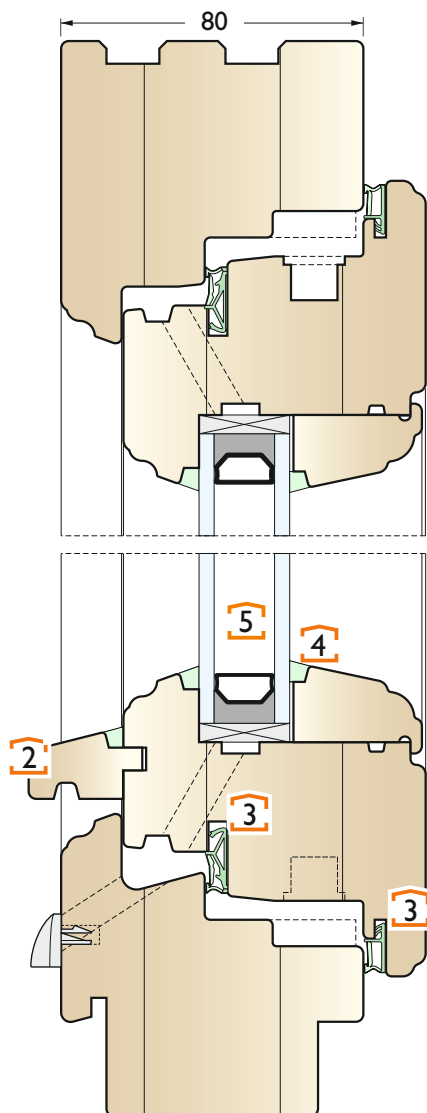
Possible execution

EXECUTION	INO-80 Stil A
Windows and balcony doors	
Fixed elements	
Sliding-tilting	
Lifting-sliding	
Folding-articulated	
Balcony doors opening outwards	

Legend  - possible  - not possible

INO-80 Stil B

window - vertical section



1 PROFILES:

Wood frame profiles and casements with a thickness of 110, 80 and 68 mm meet the constructional requirements of the DIN 68121 standard.

The profiles are three layers of wood joined together using waterproof D4 adhesive according to the EN 204 and EN 143257 standards.

2 WOOD TYPE:

You can choose from the following species of wood: spruce, pine, larch, oak and meranti.A

3 HARDWARE

We install ROTO NT hardware in a silver colour. The certified load-bearing capacity of the standard installed hardware is 150 kg.

2 WOOD WEATHERBOARD

and sophisticated style, is also suitable for buildings under heritage protection.

3 PERMANENT ELASTIC SEALS

Serial built-in seals made from high quality TPE material.

4 SEALANT

The colour of the sealant matches the colour of the product surface.

5 GLAZING

You can choose from a variety of thermal and acoustic insulated and safety glass.

A spacer between glass made from rustproof metal sheet or plastic material (TGI) further improves the thermal characteristics of the product.



Thermal transfer coefficient

INO-80 Stil B (soft wood)		
$U_f - W/m^2K$	$U_g - W/m^2K$	$U_w - W/m^2K$
1,2	1,1 (TGI)	1,2
	1,0 (TGI)	1,2
	0,7 (TGI)	0,96
	0,5 (TGI)	0,83

Legend

$U_f - W/m^2K$ Thermal transfer coefficient on frame window unit calculated according to EN ISO 10077-2.

$U_g - W/m^2K$ Thermal transfer coefficient on glazing.

$U_w - W/m^2K$ Thermal transfer coefficient on complete window unit calculated according to EN ISO 10077-1.

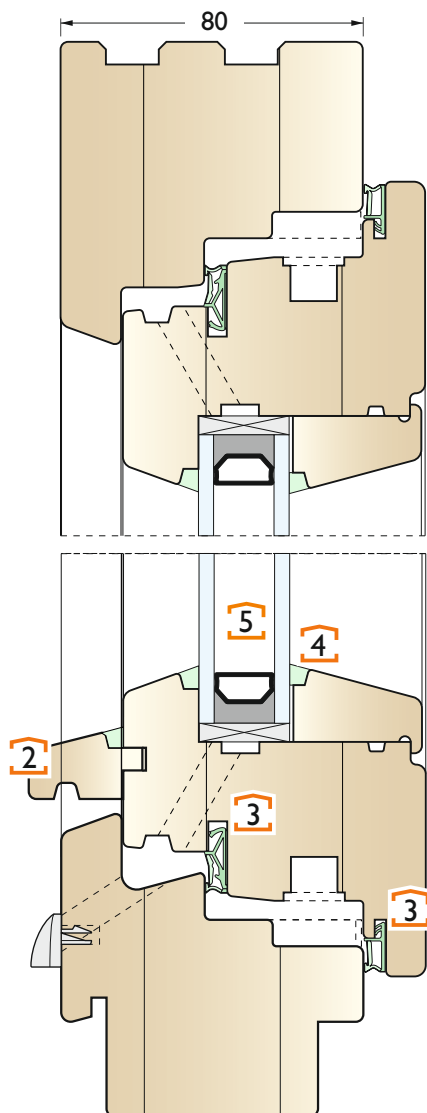
Possible execution

EXECUTION	INO-80 Stil B
Windows and balcony doors	
Fixed elements	
Sliding-tilting	
Lifting-sliding	
Folding-articulated	
Balcony doors opening outwards	

Legend  - possible  - not possible

INO-80 Standard B

window - vertical section



1 PROFILES:

Wood frame profiles and casements with a thickness of 110, 80 and 68 mm meet the constructional requirements of the DIN 68121 standard.

The profiles are three layers of wood joined together using waterproof D4 adhesive according to the EN 204 and EN 143257 standards.

WOOD TYPE:

You can choose from the following species of wood: spruce, pine, larch, oak and meranti.A

HARDWARE

We install ROTO NT hardware in a silver colour. The certified load-bearing capacity of the standard installed hardware is 150 kg.

2 WOOD WEATHERBOARD

A wood window with straight lines and a wood weatherboard.

3 PERMANENT ELASTIC SEALS

Serial built-in seals made from high quality TPE material.

4 SEALANT

The colour of the sealant matches the colour of the product surface.

5 GLAZING

You can choose from a variety of thermal and acoustic insulated and safety glass.

A spacer between glass made from rustproof metal sheet or plastic material (TGI) further improves the thermal characteristics of the product.



Thermal transfer coefficient

INO-80 Standard B (soft wood)		
$U_f - W/m^2K$	$U_g - W/m^2K$	$U_w - W/m^2K$
1,2	1,1 (TGI)	1,2
	1,0 (TGI)	1,2
	0,7 (TGI)	0,96
	0,5 (TGI)	0,83

Legend

$U_f - W/m^2K$ Thermal transfer coefficient on frame window unit calculated according to EN ISO 10077-2.

$U_g - W/m^2K$ Thermal transfer coefficient on glazing.

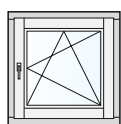
$U_w - W/m^2K$ Thermal transfer coefficient on complete window unit calculated according to EN ISO 10077-1.

Possible execution

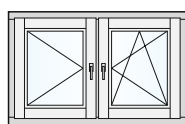
EXECUTION	INO-80 Standard B
Windows and balcony doors	⊕
Fixed elements	⊕
Sliding-tilting	⊕
Lifting-sliding	⊕
Folding-articulated	⊗
Balcony doors opening outwards	⊗

Legend ⊕ - possible ⊗ - not possible

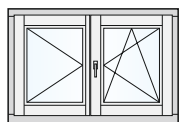
TYPES of windows and balcony doors



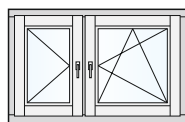
Type 01



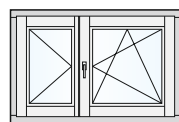
Type 01-01



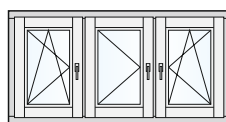
Type 06



Type 01-01



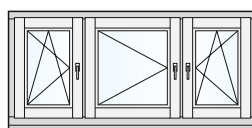
Type 07



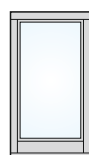
Type 01-01-01



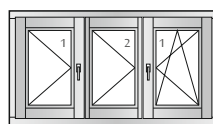
Type 08



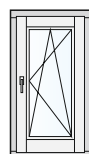
Type 01-01-01



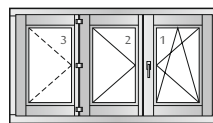
Type 09



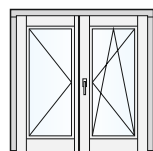
Type 01-01-01A



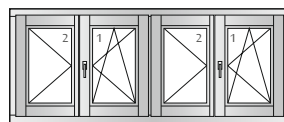
Type 11



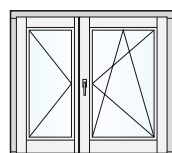
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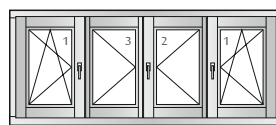
Type 12



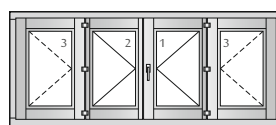
Type 06-06



Type 13

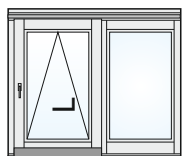


Type 01-06-01A

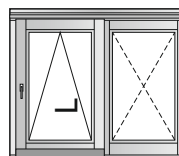


Type 01-06-01B

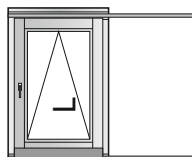
Sliding-tilting



Type 14 PSK



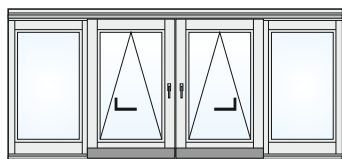
Type 14 PSK F



Type 14 PSK-A

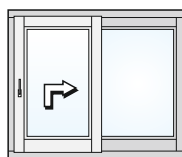


Type 14 PSK-B

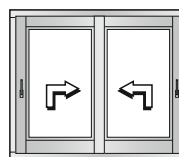


Type 14 PSK-C

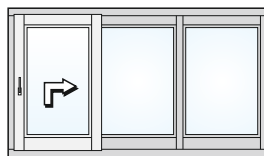
Lifting-sliding



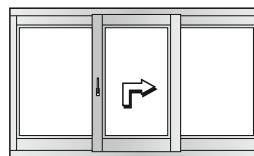
Type 18 HS
1 x casement, 1 x fikséd



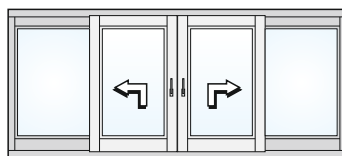
Type 18 HS-D
2 x casement



Type 18 HS-A
1 x casement, 2 x fikséd

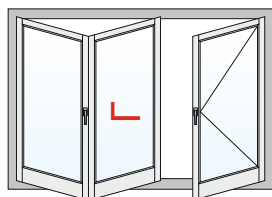


Type 18 HS-G
1 x casement, 2 x fikséd

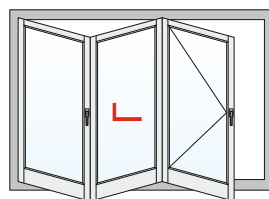


Type 18 HS-C
2 x casement, 2 x fikséd

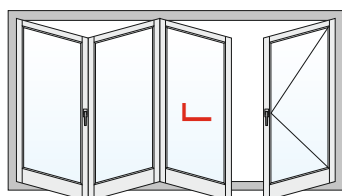
Folding-articulated



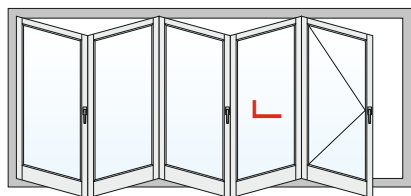
TYPE 321 FT
TYPE 312 FT
three-casement



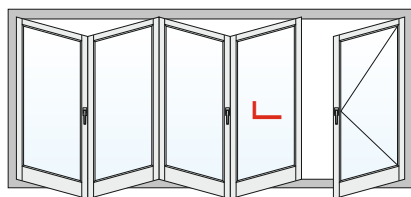
TYPE 330 FT
TYPE 303 FT
three-casement



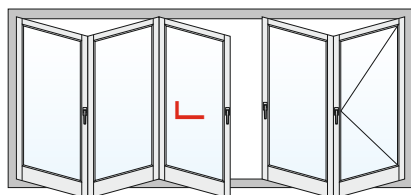
TYPE 431 FT
TYPE 413 FT
four-casement



TYPE 550 FT
TYPE 505 FT
five-casement



TYPE 541 FT
TYPE 514 FT
five-casement

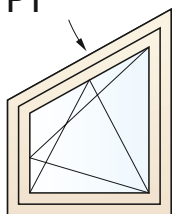


TYPE 532 FT
TYPE 523 FT
five-casement

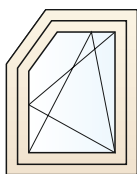
DESIGNER SHAPES

Trapezoid windows

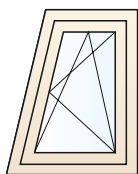
P1



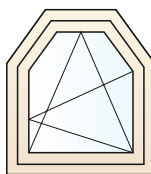
P2



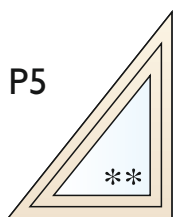
P3



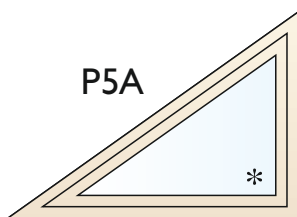
P4



P5



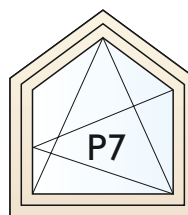
P5A



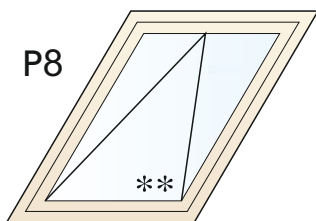
P6



P7



P8



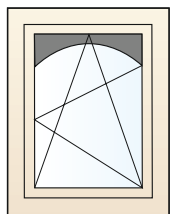
* - service opening only or fixed glazing

** -tilting in only or fixed glazing

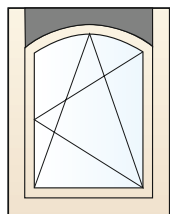
DESIGNER SHAPES

Arch and half-round windows

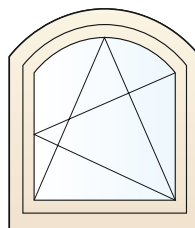
P9



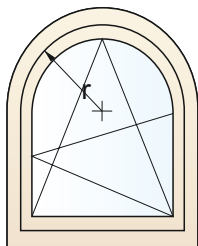
P9A



P11



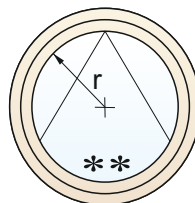
P12



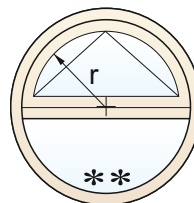
P13



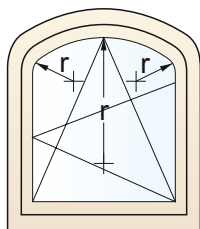
P14



P14A



P15



* - service opening only or fixed glazing ** -tilting in only or fixed glazing