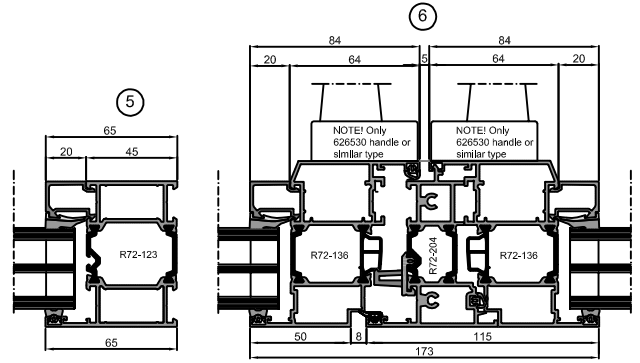
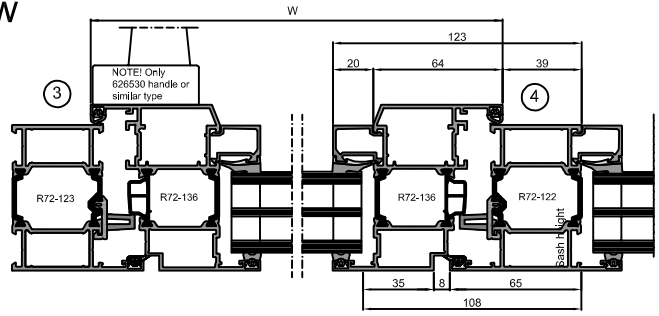
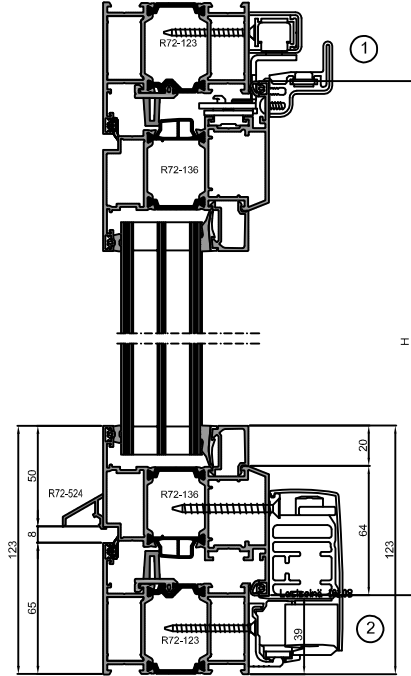
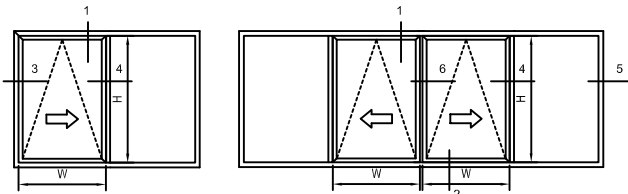
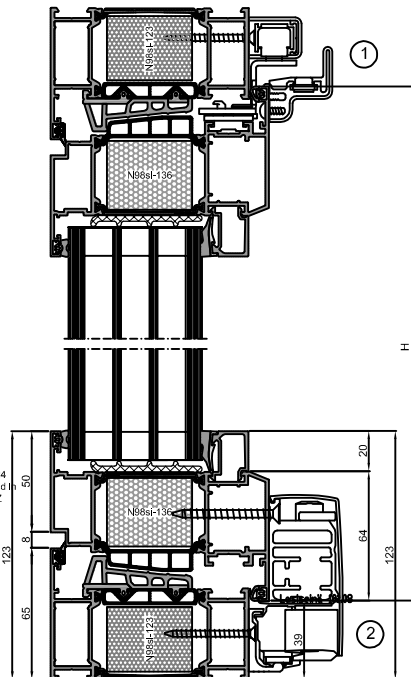
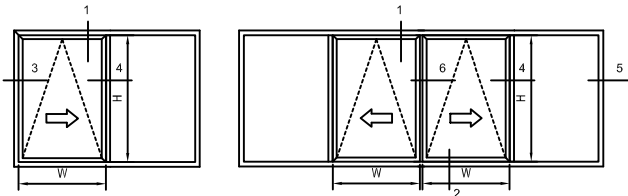


# R72 PATIO Z sliding door/window

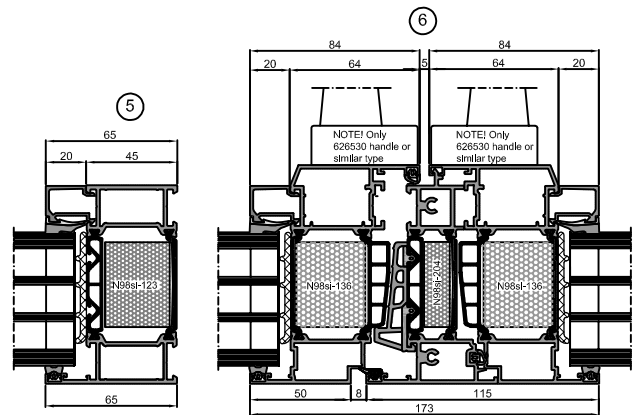
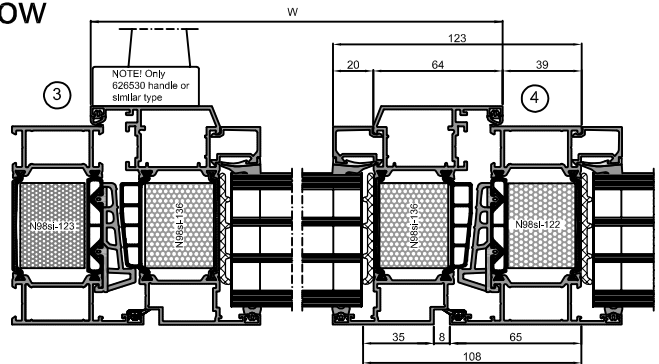


Osa	Esine	Kpl	Aine	Huom.
	Päiväm.	Piirt.	Tark.	Hyv.
	5.4.18	NP		
R72 PATIO Z rakenteen poikkileikkaukuvat				Piir.no NP30848
				Korvaa

# N98si PATIO Z sliding door/window



NOTE! R72-524 can not be used in N98si PATIO Z structure



Osa	Esine	Kpl	Aine	Huom.
	Päiväm.	Piirt.	Tark.	Hyv.
	5.4.18	NP		
N98si PATIO Z rakenteen poikkileikkaukuvat				Piir.no NP30847
				Korvaa



### **General hardware characteristics**

- Positive-controlled central locking system for automatic starting and stopping of the tilt function
- Concealed central locking system
- Integrated mishandling device
- Sash arrangement according to diagram A, B, C, D, G, K
- Internal and external aesthetics like Tilt&Turn windows:  
narrow profiles, no offset glazing in the facade, handle position when the door is closed “downwards”
- Retracting distance: max. 117 mm
- Sash width: max. 2000 mm
- Sash height: max. 2700 mm
- Sash weight: max. 200 kg
- Clearance 11,5 + 0,5 mm
- Min. overlap height 7 mm
- Frame groove V.01/V.02
- Sash groove 15/20
- Sash thickness max. 87 mm  
(for sash thicknesses of more than 87 mm, technical examination is necessary)

**Application diagram**  
 Patio 100Z Aluminium

Limitation of sash formats depending on the glass thickness

**Application range**

Sash width **SW** .....670–1280 mm  
 Sash height **SH** .....930–2380 mm  
 Sash weight **S.kg** ..... max. 100 kg  
 Sash thickness ..... max. 87 mm  
 (for sash thicknesses of more than 87 mm,  
 technical examination is necessary)

Glass weight .....max. 60 kg / m<sup>2</sup>

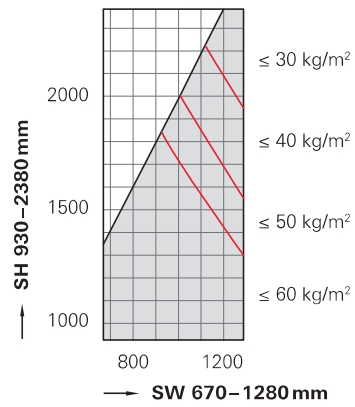
SH : SW = max. 2 : 1

The information in the application diagram refers  
 to the glass weight in kg / m<sup>2</sup>.

1 mm/m<sup>2</sup> glass thickness = 2.5 kg

= Impermissible application range

No spring scissor needed.





**Application diagram**  
Patio 160Z Aluminium

Limitation of sash formats depending on the glass thickness

**Application range**

Sash width **SW** ..... 670–2000 mm  
 Sash height **SH** ..... 930–2700 mm  
 Sash weight **S.kg** ..... max. 160 kg  
 Sash thickness ..... max. 87 mm  
 (for sash thicknesses of more than 87 mm,  
 technical examination is necessary)

Glass weight ..... max. 60 kg / m<sup>2</sup>

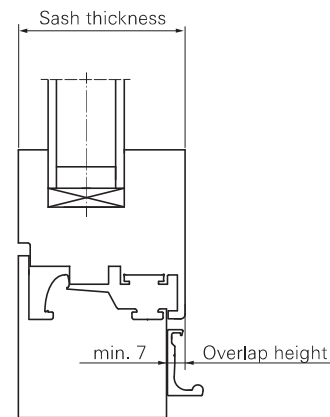
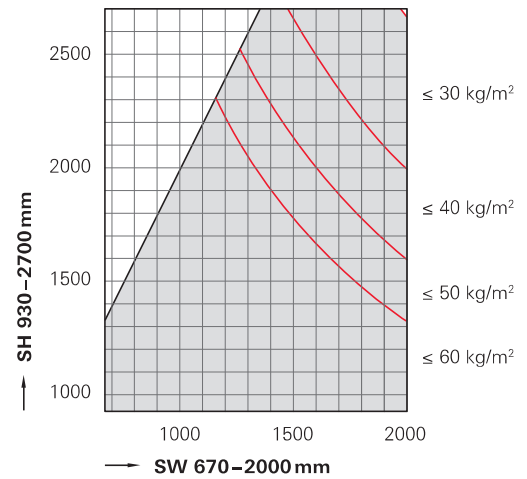
SH : SW = max. 2 : 1

The information in the application diagram refers  
 to the glass weight in kg / m<sup>2</sup>.

1 mm/m<sup>2</sup> glass thickness = 2.5 kg

 = Impermissible application range

A spring scissor is needed for sash thicknesses between 75 mm and 87 mm.  
 In this case, the minimum sash width (SW) is 830 mm.



**Application diagram**

Patio 200Z Aluminium  
 Heavy-duty bogie from 160 kg

Limitation of sash formats depending on the glass thickness

**Application range**

Sash width **SW** ..... 1080–2000 mm  
 Sash height **SH** ..... 930–2700 mm  
 Sash weight **S.kg** ..... max. 200 kg  
 Sash thickness ..... max. 87 mm  
 (for sash thicknesses of more than 87 mm,  
 technical examination is necessary)

Glass weight ..... max. 60 kg / m<sup>2</sup>

SH : SW = max. 2 : 1

The information in the application diagram refers  
 to the glass weight in kg / m<sup>2</sup>.

1 mm/m<sup>2</sup> glass thickness = 2.5 kg

 = Impermissible application range

A spring scissor must always be used.

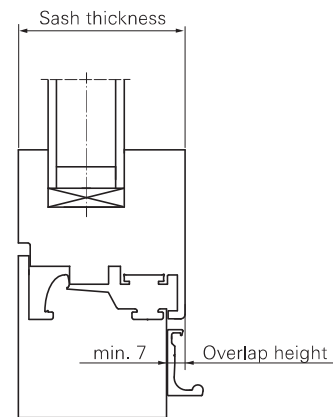
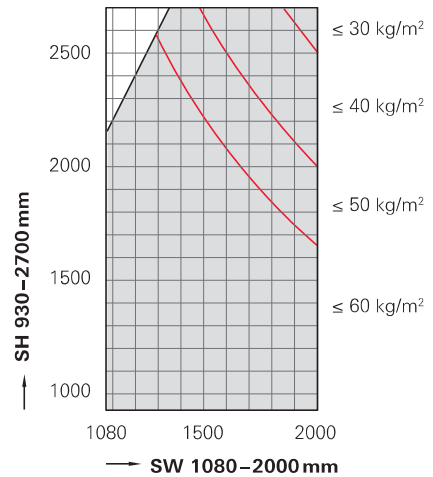
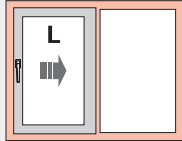
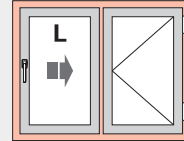




Diagram A

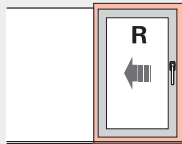


**Diagram A**  
1 sliding sash (L or R)  
1 fixed glazing



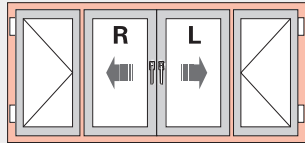
**Diagram A**  
1 sliding sash (L or R)  
1 Turn-Only sash

Diagram B

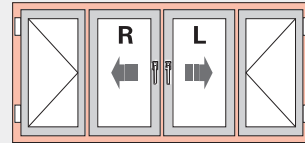


**Diagram B**  
1 sliding sash (L or R)  
Inside frame flush with the wall

Diagram C

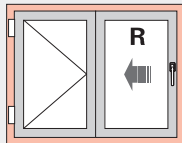


**Diagram C**  
2 sliding sashes (L or R) with/without centre post  
2 Turn-Only sashes (alternatively fixed glazing)



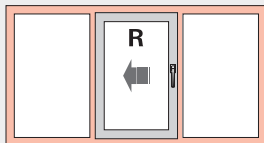
**Diagram C**  
2 sliding sashes (L or R) with fixed centre post  
2 Turn-Only sashes (alternatively fixed glazing)

Diagram D

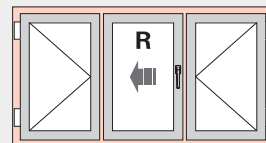


**Diagram D**  
1 sliding sash (L or R) with/without centre post profile, slidable guide block required (Installation situation of guide block see page 67).  
1 Turn-Only sash

Diagram G



**Diagram G**  
1 sliding sash (L or R)  
2 fixed glazings



**Diagram G**  
1 sliding sash (L or R)  
2 Turn-Only sashes

Diagram K



**Diagram K**  
2 sliding sashes (L and R)  
1 fixed glazing