

Limit values - ND NTech Fixed frame w/sash



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Applicable for product codes: IF

IF frame	Width mm	Height mm	Max W+H mm	Max weight kg
	348 - 3988	344 - 3988	6000	350
FOM - Lining board fitted				240
VLD505 - EI30 Fire - approved - marked VLD506 - EI30 Fire - not approved - unmarked	332 - 2980	314 - 2988	5000	

NB sash	Width mm	Height mm	Max W+H mm	Max weight kg
	246 - 2214	226 - 696	2822	65

ND sash	Width mm	Height mm	Max W+H mm	Max weight kg
	314 - 2114	396 - 2441	3334	100
VLD550 - Windbrake fitted	414 - 2114	296 - 2441	3334	
VLS050 - Lowered by 50mm	314 - 1714	512 - 2396	3334	
VLS075 - Lowered by 75mm	314 - 1714	562 - 2396	3334	
VLS100 - Lowered by 100mm	314 - 1714	612 - 2396	3334	
VLS125 - Lowered by 125mm	314 - 1714	662 - 2396	3334	
VLS150 - Lowered by 150mm	314 - 1714	712 - 2396	3334	
VLS175 - Lowered by 175mm	314 - 1714	762 - 2396	3334	
VLS200 - Lowered by 200mm	314 - 1714	812 - 2396	3334	
VLS225 - Lowered by 225mm	314 - 1714	862 - 2396	3334	
VLS250 - Lowered by 250mm	314 - 1714	912 - 2396	3334	
VLS275 - Lowered by 275mm	298 - 1714	962 - 2396	3334	
VLS300 - Lowered by 300mm	298 - 1714	1012 - 2396	3334	
VLS325 - Lowered by 325mm	298 - 1714	1062 - 2396	3334	
VLS350 - Lowered by 350mm	298 - 1714	1112 - 2396	3334	
VLS375 - Lowered by 375mm	298 - 1714	1162 - 2396	3334	
VLS400 - Lowered by 400mm	298 - 1714	1212 - 2396	3334	
VLS425 - Lowered by 425mm	298 - 1714	1262 - 2396	3334	
VLS450 - Lowered by 450mm	298 - 1714	1312 - 2396	3334	
VLS475 - Lowered by 475mm	298 - 1714	1362 - 2396	3334	
VLS500 - Lowered by 500mm	298 - 1714	1412 - 2396	3334	
VLS550 - Lowered by 550mm	298 - 1714	1512 - 2396	3334	

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Applicable for product codes: IF

NS sash	Width mm	Height mm	Max W+H mm	Max weight kg
	230 - 1214	226 - 2396	3334	85
VLD033 - Handle with KISI (locked position)	814 - 1214	196 - 2396	3334	
VLS050 - Lowered by 50mm	174 - 1214	512 - 2396	3334	
VLS075 - Lowered by 75mm	174 - 1214	562 - 2396	3334	
VLS100 - Lowered by 100mm	174 - 1214	612 - 2396	3334	
VLS125 - Lowered by 125mm	174 - 1214	662 - 2396	3334	
VLS150 - Lowered by 150mm	174 - 1214	712 - 2396	3334	
VLS175 - Lowered by 175mm	174 - 1214	762 - 2396	3334	
VLS200 - Lowered by 200mm	174 - 1214	812 - 2396	3334	
VLS225 - Lowered by 225mm	174 - 1214	862 - 2396	3334	
VLS250 - Lowered by 250mm	174 - 1214	912 - 2396	3334	
VLS275 - Lowered by 275mm	174 - 1214	962 - 2396	3334	
VLS300 - Lowered by 300mm	174 - 1214	1012 - 2396	3334	
VLS325 - Lowered by 325mm	174 - 1214	1062 - 2396	3334	
VLS350 - Lowered by 350mm	174 - 1214	1112 - 2396	3334	
VLS375 - Lowered by 375mm	174 - 1214	1162 - 2396	3334	
VLS400 - Lowered by 400mm	174 - 1214	1212 - 2396	3334	
VLS425 - Lowered by 425mm	174 - 1214	1262 - 2396	3334	
VLS450 - Lowered by 450mm	174 - 1214	1312 - 2396	3334	
VLS475 - Lowered by 475mm	174 - 1214	1362 - 2396	3334	
VLS500 - Lowered by 500mm	174 - 1214	1412 - 2396	3334	
VLS550 - Lowered by 550mm	174 - 1214	1512 - 2396	3334	

NZ sash	Width mm	Height mm	Max W+H mm	Max weight kg
	298 - 2114	296 - 2496	3334	100



Remarks

IF frame

- # EI30
- Factory coupled not an option.
- Coupled on site is optional.
- Coupled maximum 3 metres in height, no limitation on width.

NB sash

- # Width \leq 1114 mm and Height \leq 696 mm : 2 no. locking points
- # Width $>$ 1114 mm and Height \leq 696 mm : As over + extra locking point in bottom.
- # Width \geq 1714 mm and Height \leq 696 mm: As over + extra locking point in top
- # Width \geq 1114 mm : Has NP 792 on both sides.

ND sash

- # Width \geq 1714 mm : Extra handle/locking point in the top.
- # Height SHOULD not be less than 1/2 width.
- # Height CANNOT be less than 1/2 width when frame weight is over 80 kg.

- # Handle are lowered in minimum 25mm increments.
 - Minimum distance from bottom frame to handle= 250mm.
 - When using VLD573 "Side handle lowered", the use of standard stay will be limited.
(In some cases, handle will not be able to be inserted into stay in some positions)
 - Sash width $<$ 475mm gets a short storm arm as standard.
Short storm arm limits the applicability of the stay.

- # EI30
 - Openable for maintenance only:
Fire rated openable windows have blanking plates as standard. No handles.
1 No. Loose handle (Art.No.: 0403456) is included pr. Order.
Extra loose handles must be ordered separately.

- The glass size is 3mm smaller in width and height compared to non-fire rated products.
- See Recommended Fireglass in NDocs for further information on glass size.

NS sash

- # 1. Width $<$ 814 mm and Height \leq 496 mm : 1 locking point.
- # 2. Width \geq 814 mm and Height \leq 496 mm : As over + extra locking point in bottom.
- # 3. Width $<$ 814 mm and Height $>$ 496 mm : 3 locking point
- # 4. Width \geq 814 mm and Height $>$ 496 mm : As over + extra locking point in bottom.
- # 5. Height $>$ 1196 mm : Extra locking point in hinge side, NP 495.

- # Handle are lowered in minimum 25mm increments.
 - Minimum distance from bottom frame to handle= 250mm.

- # EI30
 - Openable for maintenance only:
Fire rated openable windows have blanking plates as standard. No handles.
1 No. Loose handle (Art.No.: 0403456) is included pr. Order.
Extra loose handles must be ordered separately.

- The glass size is 3mm smaller in width and height compared to non-fire rated products.
- See Recommended Fire glass in NDocs for further information on glass size.

Limit values - ND NTech Fixed frame w/sash

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Applicable for product codes: IF

IF frame Legal interval ranges	Width mm	Height mm	Max W+H mm	Max weight kg
AB	348 - 3988	344 - 3988	6000	350
!AB	353 - 3988	388 - 3988	6000	350

IF frame	Width mm	Height mm	Max W+H mm	Max weight kg
FOM - Lining board fitted				240
VLD505 - EI30 Fire - approved - marked VLD506 - EI30 Fire - not approved - unmarked	532 - 2980	514 - 2988	5000	

IF frame Illegal interval ranges	Width mm	Height mm	Max W+H mm	Max weight kg
	2789 - 3988	2789 - 3988	6000	350

NB sash Legal interval ranges	Width mm	Height mm	Max W+H mm	Max weight kg
AB	246 - 2214	220 - 696	2822	65
!AB	246 - 2214	396 - 696	2822	65

ND sash Legal interval ranges	Width mm	Height mm	Max W+H mm	Max weight kg
AB	314 - 2114	296 - 2496	3334	100
!AB	414 - 2114	396 - 2496	3334	100

ND sash	Width mm	Height mm	Max W+H mm	Max weight kg
VLS050 - Lowered by 50mm	414 - 1714	512 - 2496	3334	
VLS075 - Lowered by 75mm	414 - 1714	562 - 2496	3334	
VLS100 - Lowered by 100mm	414 - 1714	612 - 2496	3334	
VLS125 - Lowered by 125mm	414 - 1714	662 - 2496	3334	
VLS150 - Lowered by 150mm	414 - 1714	712 - 2496	3334	
VLS175 - Lowered by 175mm	414 - 1714	762 - 2496	3334	
VLS200 - Lowered by 200mm	414 - 1714	812 - 2496	3334	
VLS225 - Lowered by 225mm	414 - 1714	862 - 2496	3334	
VLS250 - Lowered by 250mm	414 - 1714	912 - 2496	3334	
VLS275 - Lowered by 275mm	414 - 1714	962 - 2496	3334	
VLS300 - Lowered by 300mm	414 - 1714	1012 - 2496	3334	
VLS325 - Lowered by 325mm	414 - 1714	1062 - 2496	3334	

Limit values - ND NTech Fixed frame w/sash



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Applicable for product codes: IF

ND sash	Width mm	Height mm	Max W+H mm	Max weight kg
VLS350 - Lowered by 350mm	414 - 1714	1112 - 2496	3334	
VLS375 - Lowered by 375mm	414 - 1714	1162 - 2496	3334	
VLS400 - Lowered by 400mm	414 - 1714	1212 - 2496	3334	
VLS425 - Lowered by 425mm	414 - 1714	1262 - 2496	3334	
VLS450 - Lowered by 450mm	414 - 1714	1312 - 2496	3334	
VLS475 - Lowered by 475mm	414 - 1714	1362 - 2496	3334	
VLS500 - Lowered by 500mm	414 - 1714	1412 - 2496	3334	
VLS550 - Lowered by 550mm	414 - 1714	1512 - 2496	3334	

NS sash Legal interval ranges	Width mm	Height mm	Max W+H mm	Max weight kg
AB	220 - 1214	220 - 2396	3334	85
!AB	414 - 1214	220 - 2396	3334	85

NS sash	Width mm	Height mm	Max W+H mm	Max weight kg
VLD033 - Handle with KISI (locked position)	814 - 1214	196 - 2396	3334	
VLS050 - Lowered by 50mm	174 - 1214	512 - 2396	3334	
VLS075 - Lowered by 75mm	174 - 1214	562 - 2396	3334	
VLS100 - Lowered by 100mm	174 - 1214	612 - 2396	3334	
VLS125 - Lowered by 125mm	174 - 1214	662 - 2396	3334	
VLS150 - Lowered by 150mm	174 - 1214	712 - 2396	3334	
VLS175 - Lowered by 175mm	174 - 1214	762 - 2396	3334	
VLS200 - Lowered by 200mm	174 - 1214	812 - 2396	3334	
VLS225 - Lowered by 225mm	174 - 1214	862 - 2396	3334	
VLS250 - Lowered by 250mm	174 - 1214	912 - 2396	3334	
VLS275 - Lowered by 275mm	174 - 1214	962 - 2396	3334	
VLS300 - Lowered by 300mm	174 - 1214	1012 - 2396	3334	
VLS325 - Lowered by 325mm	174 - 1214	1062 - 2396	3334	
VLS350 - Lowered by 350mm	174 - 1214	1112 - 2396	3334	
VLS375 - Lowered by 375mm	174 - 1214	1162 - 2396	3334	
VLS400 - Lowered by 400mm	174 - 1214	1212 - 2396	3334	
VLS425 - Lowered by 425mm	174 - 1214	1262 - 2396	3334	
VLS450 - Lowered by 450mm	174 - 1214	1312 - 2396	3334	
VLS475 - Lowered by 475mm	174 - 1214	1362 - 2396	3334	
VLS500 - Lowered by 500mm	174 - 1214	1412 - 2396	3334	



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Applicable for product codes: IF

NS sash	Width mm	Height mm	Max W+H mm	Max weight kg
VLS550 - Lowered by 550mm	174 - 1214	1512 - 2396	3334	

NZ sash	Width mm	Height mm	Max W+H mm	Max weight kg
	298 - 2114	296 - 2496	3334	100

Remarks

IF frame

@ AB - Aluminium clad product
@ IAB - Non-Aluminium clad product

EI30

- Factory coupled not an option.
- Coupled on site is optional.
- Coupled maximum 3 metres in height, no limitation on width.

NB sash

Width \leq 1114 mm and Height \leq 696 mm : 2 no. locking points
Width $>$ 1114 mm and Height \leq 696 mm : As over + extra locking point in bottom.
Width \geq 1714 mm and Height \leq 696 mm: As over + extra locking point in top
Width \geq 1114 mm : Has NP 792 on both sides.

ND sash

Width \geq 1714 mm : Extra handle/locking point in the top.
Height SHOULD not be less than 1/2 width.
Height CANNOT be less than 1/2 width when frame weight is over 80 kg.

Handle are lowered in minimum 25mm increments.

- Minimum distance from bottom frame to handle= 250mm.
- When using VLD573 "Side handle lowered", the use of standard stay will be limited.
(In some cases, handle will not be able to be inserted into stay in some positions)
- Sash width $<$ 475mm gets a short storm arm as standard.
Short storm arm limits the applicability of the stay.

EI30

- Openable for maintenance only:
Fire rated openable windows have blanking plates as standard. No handles.
1 No. Loose handle (Art.No.: 0403456) is included pr. Order.
Extra loose handles must be ordered separately.
- The glass size is 3mm smaller in width and height compared to non-fire rated products.
- See Recommended Fireglass in NDocs for further information on glass size.

NS sash

1. Width $<$ 814 mm and Height \leq 496 mm : 1 locking point.
2. Width \geq 814 mm and Height \leq 496 mm : As over + extra locking point in bottom.
3. Width $<$ 814 mm and Height $>$ 496 mm : 3 locking point
4. Width \geq 814 mm and Height $>$ 496 mm : As over + extra locking point in bottom.
5. Height $>$ 1196 mm : Extra locking point in hinge side, NP 495.

Handle are lowered in minimum 25mm increments.

- Minimum distance from bottom frame to handle= 250mm.

EI30

- Openable for maintenance only:

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Applicable for product codes: IF

Fire rated openable windows have blanking plates as standard. No handles.
1 No. Loose handle (Art.No.: 0403456) is included pr. Order.
Extra loose handles must be ordered separately.

- The glass size is 3mm smaller in width and height compared to non-fire rated products.
- See Recommended Fire glass in NDocs for further information on glass size.

Limit values - ND NTech Fixed frame w/sash

Market:



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Construction: NTech Passive

Applicable for product codes: IF

IF frame Legal interval ranges	Width mm	Height mm	Max W+H mm	Max weight kg
AB	348 - 3988	344 - 3988	6000	350
!AB	532 - 3988	514 - 3988	6000	350

IF frame	Width mm	Height mm	Max W+H mm	Max weight kg
FOM - Lining board fitted				240

IF frame Illegal interval ranges	Width mm	Height mm	Max W+H mm	Max weight kg
	2789 - 3988	2789 - 3988	6000	350

NB sash Legal interval ranges	Width mm	Height mm	Max W+H mm	Max weight kg
AB	246 - 2214	214 - 696	2822	65
!AB	246 - 2214	396 - 696	2822	65

ND sash Legal interval ranges	Width mm	Height mm	Max W+H mm	Max weight kg
AB	314 - 2114	296 - 2496	3334	100
!AB	414 - 2114	396 - 2496	3334	100

ND sash	Width mm	Height mm	Max W+H mm	Max weight kg
VLS050 - Lowered by 50mm	414 - 1714	512 - 2496	3334	
VLS075 - Lowered by 75mm	414 - 1714	562 - 2496	3334	
VLS100 - Lowered by 100mm	414 - 1714	612 - 2496	3334	
VLS125 - Lowered by 125mm	414 - 1714	662 - 2496	3334	
VLS150 - Lowered by 150mm	414 - 1714	712 - 2496	3334	
VLS175 - Lowered by 175mm	414 - 1714	762 - 2496	3334	
VLS200 - Lowered by 200mm	414 - 1714	812 - 2496	3334	
VLS225 - Lowered by 225mm	414 - 1714	862 - 2496	3334	
VLS250 - Lowered by 250mm	414 - 1714	912 - 2496	3334	
VLS275 - Lowered by 275mm	414 - 1714	962 - 2496	3334	
VLS300 - Lowered by 300mm	414 - 1714	1012 - 2496	3334	
VLS325 - Lowered by 325mm	414 - 1714	1062 - 2496	3334	
VLS350 - Lowered by 350mm	414 - 1714	1112 - 2496	3334	
VLS375 - Lowered by 375mm	414 - 1714	1162 - 2496	3334	

Limit values - ND NTech Fixed frame w/sash



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Construction: NTech Passive

Applicable for product codes: IF

ND sash	Width mm	Height mm	Max W+H mm	Max weight kg
VLS400 - Lowered by 400mm	414 - 1714	1212 - 2496	3334	
VLS425 - Lowered by 425mm	414 - 1714	1262 - 2496	3334	
VLS450 - Lowered by 450mm	414 - 1714	1312 - 2496	3334	
VLS475 - Lowered by 475mm	414 - 1714	1362 - 2496	3334	
VLS500 - Lowered by 500mm	414 - 1714	1412 - 2496	3334	
VLS550 - Lowered by 550mm	414 - 1714	1512 - 2496	3334	

NS sash Legal interval ranges	Width mm	Height mm	Max W+H mm	Max weight kg
AB	220 - 1214	220 - 2396	3334	85
!AB	414 - 1214	220 - 2396	3334	85

NS sash	Width mm	Height mm	Max W+H mm	Max weight kg
VLD033 - Handle with KISI (locked position)	814 - 1214	196 - 2396	3334	
VLS050 - Lowered by 50mm	174 - 1214	512 - 2396	3334	
VLS075 - Lowered by 75mm	174 - 1214	562 - 2396	3334	
VLS100 - Lowered by 100mm	174 - 1214	612 - 2396	3334	
VLS125 - Lowered by 125mm	174 - 1214	662 - 2396	3334	
VLS150 - Lowered by 150mm	174 - 1214	712 - 2396	3334	
VLS175 - Lowered by 175mm	174 - 1214	762 - 2396	3334	
VLS200 - Lowered by 200mm	174 - 1214	812 - 2396	3334	
VLS225 - Lowered by 225mm	174 - 1214	862 - 2396	3334	
VLS250 - Lowered by 250mm	174 - 1214	912 - 2396	3334	
VLS275 - Lowered by 275mm	174 - 1214	962 - 2396	3334	
VLS300 - Lowered by 300mm	174 - 1214	1012 - 2396	3334	
VLS325 - Lowered by 325mm	174 - 1214	1062 - 2396	3334	
VLS350 - Lowered by 350mm	174 - 1214	1112 - 2396	3334	
VLS375 - Lowered by 375mm	174 - 1214	1162 - 2396	3334	
VLS400 - Lowered by 400mm	174 - 1214	1212 - 2396	3334	
VLS425 - Lowered by 425mm	174 - 1214	1262 - 2396	3334	
VLS450 - Lowered by 450mm	174 - 1214	1312 - 2396	3334	
VLS475 - Lowered by 475mm	174 - 1214	1362 - 2396	3334	
VLS500 - Lowered by 500mm	174 - 1214	1412 - 2396	3334	
VLS550 - Lowered by 550mm	174 - 1214	1512 - 2396	3334	

Limit values - ND NTech Fixed frame w/sash

Market:



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Applicable for product codes: IF

NZ sash	Width mm	Height mm	Max W+H mm	Max weight kg
	298 - 2114	296 - 2496	3334	100

Remarks

NB sash

- # Width \leq 1114 mm and Height \leq 696 mm : 2 no. locking points
- # Width $>$ 1114 mm and Height \leq 696 mm : As over + extra locking point in bottom.
- # Width \geq 1714 mm and Height \leq 696 mm: As over + extra locking point in top
- # Width \geq 1114 mm : Has NP 792 on both sides.

ND sash

- # Width \geq 1714 mm : Extra handle/locking point in the top.
- # Height SHOULD not be less than 1/2 width.
- # Height CANNOT be less than 1/2 width when frame weight is over 80 kg.

- # Handle are lowered in minimum 25mm increments.
 - Minimum distance from bottom frame to handle= 250mm.
 - When using VLD573 "Side handle lowered", the use of standard stay will be limited.
(In some cases, handle will not be able to be inserted into stay in some positions)
 - Sash width $<$ 475mm gets a short storm arm as standard.
Short storm arm limits the applicability of the stay.

NS sash

- # 1. Width $<$ 814 mm and Height \leq 496 mm: 1 locking point.
- # 2. Width \geq 814 mm and Height \leq 496 mm: As over + extra locking point in bottom.
- # 3. Width $<$ 814 mm and Height $>$ 496 mm: 3 locking point
- # 4. Width \geq 814 mm and Height $>$ 496 mm: As over + extra locking point in bottom.
- # 5. Height $>$ 1196 mm : Extra locking point in hinge side, NP 495.

- # Handle are lowered in minimum 25mm increments.
 - Minimum distance from bottom frame to handle= 250mm.