Limit values - ND NTech Villa Multi sash

Construction: 92/67

Applicable for product codes: TO

TO frame	Width mm	Height mm	Max W+H mm	Max weight kg
	288 - 4488	350 - 4488	6000	250

TA sash	Width mm	Height mm	Max W+H mm	Max weight kg
	304 - 1116	300 - 2100	2628	55
AB	304 - 1116	400 - 2100	2628	
VLD032 - Safety escutcheon Fix 805	566 - 1114	262 - 2100		
VLD381 - Casementstay (window)	335 - 1116	462 - 2100	2628	
VLD836 - Handle Maksi Tokyo	436 - 1116	300 - 2100	2628	
VLD837 - Handle Tokyo with KISI VLD838 - Handle Tokyo with key (fully locked)	504 - 1116	300 - 2100	2628	
VLD839 - Handle 1710/93S for oval cylinder	934 - 1116	300 - 2100	2628	
VLS025	304 - 1116	460 - 2100	2628	
VLS050 - Lowered by 50mm	304 - 1116	510 - 2100	2628	
VLS075 - Lowered by 75mm	304 - 1116	560 - 2100	2628	
VLS100 - Lowered by 100mm	304 - 1116	610 - 2100	2628	
VLS125 - Lowered by 125mm	304 - 1116	660 - 2100	2628	
VLS150 - Lowered by 150mm	304 - 1116	710 - 2100	2628	
VLS175 - Lowered by 175mm	304 - 1116	760 - 2100	2628	
VLS200 - Lowered by 200mm	304 - 1116	810 - 2100	2628	
VLS225 - Lowered by 225mm	304 - 1116	860 - 2100	2628	
VLS250 - Lowered by 250mm	304 - 1116	910 - 2100	2628	
VLS275 - Lowered by 275mm	304 - 1116	960 - 2100	2628	
VLS300 - Lowered by 300mm	304 - 1116	1010 - 2100	2628	
VLS325 - Lowered by 325mm	304 - 1116	1060 - 2100	2628	
VLS350 - Lowered by 350mm	304 - 1116	1110 - 2100	2628	
VLS375 - Lowered by 375mm	304 - 1116	1160 - 2100	2628	
VLS400 - Lowered by 400mm	304 - 1116	1210 - 2100	2628	
VLS425 - Lowered by 425mm	304 - 1116	1260 - 2100	2628	
VLS450 - Lowered by 450mm	304 - 1116	1310 - 2100	2628	
VLS475 - Lowered by 475mm	304 - 1116	1360 - 2100	2628	
VLS500 - Lowered by 500mm	304 - 1116	1410 - 2100	2628	
VLS550 - Lowered by 550mm	304 - 1116	1510 - 2100	2628	

Limit values - ND NTech Villa Multi sash

Construction: 92/67

Applicable for product codes: TO

TA sash (primary)	Width mm	Height mm	Max W+H mm	Max weight kg
	304 - 1116	300 - 2100	2628	55
AB	304 - 1116	400 - 2100	2628	
VLD032 - Safety escutcheon Fix 805	566 - 1114	262 - 2100		
VLD836 - Handle Maksi Tokyo	436 - 1116	300 - 2100	2628	
VLD837 - Handle Tokyo with KISI VLD838 - Handle Tokyo with key (fully locked)	504 - 1116	300 - 2100	2628	
VLD839 - Handle 1710/93S for oval cylinder	934 - 1116	300 - 2100	2628	
VLS025	304 - 1116	460 - 2100	2628	
VLS050 - Lowered by 50mm	304 - 1116	510 - 2100	2628	
VLS075 - Lowered by 75mm	304 - 1116	560 - 2100	2628	
VLS100 - Lowered by 100mm	304 - 1116	610 - 2100	2628	
VLS125 - Lowered by 125mm	304 - 1116	660 - 2100	2628	
VLS150 - Lowered by 150mm	304 - 1116	710 - 2100	2628	
VLS175 - Lowered by 175mm	304 - 1116	760 - 2100	2628	
VLS200 - Lowered by 200mm	304 - 1116	810 - 2100	2628	
VLS225 - Lowered by 225mm	304 - 1116	860 - 2100	2628	
VLS250 - Lowered by 250mm	304 - 1116	910 - 2100	2628	
VLS275 - Lowered by 275mm	304 - 1116	960 - 2100	2628	
VLS300 - Lowered by 300mm	304 - 1116	1010 - 2100	2628	
VLS325 - Lowered by 325mm	304 - 1116	1060 - 2100	2628	
VLS350 - Lowered by 350mm	304 - 1116	1110 - 2100	2628	
VLS375 - Lowered by 375mm	304 - 1116	1160 - 2100	2628	
VLS400 - Lowered by 400mm	304 - 1116	1210 - 2100	2628	
VLS425 - Lowered by 425mm	304 - 1116	1260 - 2100	2628	
VLS450 - Lowered by 450mm	304 - 1116	1310 - 2100	2628	
VLS475 - Lowered by 475mm	304 - 1116	1360 - 2100	2628	
VLS500 - Lowered by 500mm	304 - 1116	1410 - 2100	2628	
VLS550 - Lowered by 550mm	304 - 1116	1510 - 2100	2628	

TA sash (secondary)	Width mm	Height mm	Max W+H mm	Max weight kg
	304 - 1116	300 - 2100	2628	55
VLD836 - Handle Maksi Tokyo	436 - 1116	300 - 2100	2628	
VLD837 - Handle Tokyo with KISI	504 - 1116	300 - 2100	2628	
VLD838 - Handle Tokyo with key (fully locked)	504 - 1116	500 - 2100	2628	
VLD839 - Handle 1710/93S for oval cylinder	934 - 1116	300 - 2100	2628	
VLS025	304 - 1116	460 - 2100	2628	
VLS050 - Lowered by 50mm	304 - 1116	510 - 2100	2628	
VLS075 - Lowered by 75mm	304 - 1116	560 - 2100	2628	
VLS100 - Lowered by 100mm	304 - 1116	610 - 2100	2628	
VLS125 - Lowered by 125mm	304 - 1116	660 - 2100	2628	
VLS150 - Lowered by 150mm	304 - 1116	710 - 2100	2628	
VLS175 - Lowered by 175mm	304 - 1116	760 - 2100	2628	
VLS200 - Lowered by 200mm	304 - 1116	810 - 2100	2628	
VLS225 - Lowered by 225mm	304 - 1116	860 - 2100	2628	
VLS250 - Lowered by 250mm	304 - 1116	910 - 2100	2628	
VLS275 - Lowered by 275mm	304 - 1116	960 - 2100	2628	
VLS300 - Lowered by 300mm	304 - 1116	1010 - 2100	2628	
VLS325 - Lowered by 325mm	304 - 1116	1060 - 2100	2628	
VLS350 - Lowered by 350mm	304 - 1116	1110 - 2100	2628	
VLS375 - Lowered by 375mm	304 - 1116	1160 - 2100	2628	
VLS400 - Lowered by 400mm	304 - 1116	1210 - 2100	2628	
VLS425 - Lowered by 425mm	304 - 1116	1260 - 2100	2628	
VLS450 - Lowered by 450mm	304 - 1116	1310 - 2100	2628	
VLS475 - Lowered by 475mm	304 - 1116	1360 - 2100	2628	
VLS500 - Lowered by 500mm	304 - 1116	1410 - 2100	2628	
VLS550 - Lowered by 550mm	304 - 1116	1510 - 2100	2628	

TB sash	Width mm	Height mm	Max W+H mm	Max weight kg
	198 - 598	298 - 1498	2026	
VLS025	198 - 598	450 - 1998	2294	

Limit values - ND NTech Villa Multi sash

Construction: 92/67

Applicable for product codes: TO

TD sash	Width mm	Height mm	Max W+H mm	Max weight kg
	304 - 904	262 - 2100	2528	50
VLD032 - Safety escutcheon Fix 805	566 - 904	262 - 2100		
VLD068 - White Winkhaus restrictor fitted VLD069 - Brown Winkhaus restrictor fitted	465 - 904	262 - 2100	2528	
VLD837 - Handle Tokyo with KISI VLD838 - Handle Tokyo with key (fully locked)	404 - 904	262 - 2100	2528	
VLD839 - Handle 1710/93S for oval cylinder	704 - 904	262 - 2100	2528	
VLD891 - SBD	404 - 904	500 - 2100		
VLS025	266 - 904	460 - 2100	2528	
VLS050 - Lowered by 50mm	266 - 904	510 - 2100	2528	
VLS075 - Lowered by 75mm	266 - 904	560 - 2100	2528	
VLS100 - Lowered by 100mm	266 - 904	610 - 2100	2628	
VLS125 - Lowered by 125mm	266 - 904	660 - 2100	2528	
VLS150 - Lowered by 150mm	266 - 904	710 - 2100	2628	
VLS175 - Lowered by 175mm	266 - 904	760 - 2100	2528	
VLS200 - Lowered by 200mm	266 - 904	810 - 2100	2628	
VLS225 - Lowered by 225mm	266 - 904	860 - 2100	2528	
VLS250 - Lowered by 250mm	266 - 904	910 - 2100	2628	
VLS275 - Lowered by 275mm	266 - 904	960 - 2100	2528	
VLS300 - Lowered by 300mm	266 - 904	1010 - 2100	2528	
VLS325 - Lowered by 325mm	266 - 904	1060 - 2100	2528	
VLS350 - Lowered by 350mm	266 - 904	1110 - 2100	2528	
VLS375 - Lowered by 375mm	266 - 904	1160 - 2100	2528	
VLS400 - Lowered by 400mm	266 - 904	1210 - 2100	2528	
VLS425 - Lowered by 425mm	266 - 904	1260 - 2100	2528	
VLS450 - Lowered by 450mm	266 - 904	1310 - 2100	2528	
VLS475 - Lowered by 475mm	266 - 904	1360 - 2100	2528	
VLS500 - Lowered by 500mm	266 - 904	1410 - 2100	2528	
VLS550 - Lowered by 550mm	266 - 904	1510 - 2100	2528	

TD sash (primary)	Width mm	Height mm	Max W+H mm	Max weight kg
	304 - 904	262 - 2100	2528	50
VLD032 - Safety escutcheon Fix 805	566 - 904	262 - 2100		
VLD068 - White Winkhaus restrictor fitted VLD069 - Brown Winkhaus restrictor fitted	465 - 904	262 - 2100	2528	
VLD837 - Handle Tokyo with KISI VLD838 - Handle Tokyo with key (fully locked)	404 - 904	262 - 2100	2528	
VLD839 - Handle 1710/93S for oval cylinder	704 - 904	262 - 2100	2528	
VLS025	266 - 904	460 - 2100	2528	
VLS050 - Lowered by 50mm	266 - 904	510 - 2100	2528	
VLS075 - Lowered by 75mm	266 - 904	560 - 2100	2528	
VLS100 - Lowered by 100mm	266 - 904	610 - 2100	2628	
VLS125 - Lowered by 125mm	266 - 904	660 - 2100	2528	
VLS150 - Lowered by 150mm	266 - 904	710 - 2100	2628	
VLS175 - Lowered by 175mm	266 - 904	760 - 2100	2528	
VLS200 - Lowered by 200mm	266 - 904	810 - 2100	2628	
VLS225 - Lowered by 225mm	266 - 904	860 - 2100	2528	
VLS250 - Lowered by 250mm	266 - 904	910 - 2100	2628	
VLS275 - Lowered by 275mm	266 - 904	960 - 2100	2528	
VLS300 - Lowered by 300mm	266 - 904	1010 - 2100	2528	
VLS325 - Lowered by 325mm	266 - 904	1060 - 2100	2528	
VLS350 - Lowered by 350mm	266 - 904	1110 - 2100	2528	
VLS375 - Lowered by 375mm	266 - 904	1160 - 2100	2528	
VLS400 - Lowered by 400mm	266 - 904	1210 - 2100	2528	
VLS425 - Lowered by 425mm	266 - 904	1260 - 2100	2528	
VLS450 - Lowered by 450mm	266 - 904	1310 - 2100	2528	
VLS475 - Lowered by 475mm	266 - 904	1360 - 2100	2528	
VLS500 - Lowered by 500mm	266 - 904	1410 - 2100	2528	
VLS550 - Lowered by 550mm	266 - 904	1510 - 2100	2528	

TD sash (secondary)	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
	304 - 904	262 - 2100	2528	50
VLD068 - White Winkhaus restrictor fitted VLD069 - Brown Winkhaus restrictor fitted	465 - 904	262 - 2100		
VLD837 - Handle Tokyo with KISI VLD838 - Handle Tokyo with key (fully locked)	404 - 904	262 - 2100	2528	
VLD839 - Handle 1710/93S for oval cylinder	704 - 904	262 - 2100	2528	
VLS025	266 - 904	460 - 2100	2528	
VLS050 - Lowered by 50mm	266 - 904	510 - 2100	2528	
VLS075 - Lowered by 75mm	266 - 904	560 - 2100	2528	
VLS100 - Lowered by 100mm	266 - 904	610 - 2100	2628	
VLS125 - Lowered by 125mm	266 - 904	660 - 2100	2528	
VLS150 - Lowered by 150mm	266 - 904	710 - 2100	2628	
VLS175 - Lowered by 175mm	266 - 904	760 - 2100	2528	
VLS200 - Lowered by 200mm	266 - 904	810 - 2100	2628	
VLS225 - Lowered by 225mm	266 - 904	860 - 2100	2528	
VLS250 - Lowered by 250mm	266 - 904	910 - 2100	2628	
VLS275 - Lowered by 275mm	266 - 904	960 - 2100	2528	
VLS300 - Lowered by 300mm	266 - 904	1010 - 2100	2528	
VLS325 - Lowered by 325mm	266 - 904	1060 - 2100	2528	
VLS350 - Lowered by 350mm	266 - 904	1110 - 2100	2528	
VLS375 - Lowered by 375mm	266 - 904	1160 - 2100	2528	
VLS400 - Lowered by 400mm	266 - 904	1210 - 2100	2528	
VLS425 - Lowered by 425mm	266 - 904	1260 - 2100	2528	
VLS450 - Lowered by 450mm	266 - 904	1310 - 2100	2528	
VLS475 - Lowered by 475mm	266 - 904	1360 - 2100	2528	
VLS500 - Lowered by 500mm	266 - 904	1410 - 2100	2528	
VLS550 - Lowered by 550mm	266 - 904	1510 - 2100	2528	

TG sash Legal interval ranges	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
	264 - 2304	300 - 658	3228	50
	264 - 2304	658 - 874	3228	60
	264 - 2304	874 - 1700	3228	80

TG sash	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
VLD032 - Safety escutcheon Fix 805	264 - 2216	562 - 1800		
VLD614 - Chrome window Hasp	264 - 1604			
VLD837 - Handle Tokyo with KISI	264 - 2216	500 - 1800		
VLD838 - Handle Tokyo with key (fully locked)	504 - 2216	462 - 1800		
VLD839 - Handle 1710/93S for oval cylinder	264 - 2216	600 - 1800		

TQ sash	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
			3228	100
VLD555 - Blowback restrictor	304 - 2104	592 - 1500	3228	
VLD838 - Handle Tokyo with key (fully locked)	304 - 2104	400 - 1500	3228	
VLD839 - Handle 1710/93S for oval cylinder	504 - 2099	500 - 1500	3228	

TW sash	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
	274 - 1604	300 - 1000	1828	40
AB	304 - 1604	300 - 1000	1828	
VLD032 - Safety escutcheon Fix 805	274 - 1604	562 - 1000	1828	
VLD837 - Handle Tokyo with KISI VLD838 - Handle Tokyo with key (fully locked)	274 - 1604	500 - 1000	1828	
VLD839 - Handle 1710/93S for oval cylinder	274 - 1604	600 - 1000	1828	

TY sash Legal interval ranges	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
	299 - 2211	362 - 599	3123	40
	299 - 2211	600 - 999	3123	50
	299 - 2211	1000 - 1500	3123	55

TY sash	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
VLD032 - Safety escutcheon Fix 805	264 - 2216	562 - 1800		
VLD614 - Chrome window Hasp	< > - 1599			
VLD837 - Handle Tokyo with KISI	299 - 2211	400 - 1500		
VLD838 - Handle Tokyo with key (fully locked)	299 - 2211	500 - 1500		
VLD839 - Handle 1710/93S for oval cylinder	299 - 2211	600 - 1500		
VLD891 - SBD	500 - 2211	400 - 1500		

TY sash Illegal interval ranges	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
	299 - 398	362 - 461	3123	55

TZ sash	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
	204 - 2304	200 - 2200	3628	150

Remarks

TA sash

Standard with 2 hinges:
- Height >= 1201 mm has 3 hinges.
- Height >= 1601 mm has 4 hinges.
- Width >= 900 mm has 3 hinges.
- When sash weight > 40 kg, 3 hinges
- Height > 800 and with FIX150 (VLD381), 3 hinges.

Width CANNOT be more than 10% wider than the height.

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

TA sash (primary)

Standard with 2 hinges:
- Height >= 1201 mm has 3 hinges.
- Height >= 1601 mm has 4 hinges.
- Width >= 900 mm has 3 hinges.
- When sash weight > 40 kg, 3 hinges
- Height > 800 and with FIX150 (VLD381), 3 hinges.

Width CANNOT be more than 10% wider than the height.

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

TA sash (secondary)

Standard with 2 hinges:
- Height >= 1201 mm has 3 hinges.
- Height >= 1601 mm has 4 hinges.
- Width >= 900 mm has 3 hinges.
- When sash weight > 40 kg, 3 hinges
- Height > 800 and with FIX150 (VLD381), 3 hinges.

Width CANNOT be more than 10% wider than the height.

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

TQ sash

When sashweight over 70 kg, special description for fixing hinge to frame - reduced opening angle.

TW sash

Aluminium clad products have NP792 instead of hook & eye holder.

TO frame	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
	350 - 4488	350 - 4488	6000	250

TA sash	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
	366 - 1116	300 - 2100	2628	55
AB	366 - 1116	400 - 2100	2628	
VLD032 - Safety escutcheon Fix 805	566 - 1114	262 - 2100		
VLD381 - Casementstay (window)	335 - 1116	462 - 2100	2628	
VLD836 - Handle Maksi Tokyo	436 - 1116	300 - 2100	2628	
VLD837 - Handle Tokyo with KISI VLD838 - Handle Tokyo with key (fully locked)	504 - 1116	300 - 2100	2628	
VLD839 - Handle 1710/93S for oval cylinder	934 - 1116	300 - 2100	2628	
VLS025	304 - 1116	460 - 2100	2628	
VLS050 - Lowered by 50mm	304 - 1116	510 - 2100	2628	
VLS075 - Lowered by 75mm	304 - 1116	560 - 2100	2628	
VLS100 - Lowered by 100mm	304 - 1116	610 - 2100	2628	
VLS125 - Lowered by 125mm	304 - 1116	660 - 2100	2628	
VLS150 - Lowered by 150mm	304 - 1116	710 - 2100	2628	
VLS175 - Lowered by 175mm	304 - 1116	760 - 2100	2628	
VLS200 - Lowered by 200mm	304 - 1116	810 - 2100	2628	
VLS225 - Lowered by 225mm	304 - 1116	860 - 2100	2628	
VLS250 - Lowered by 250mm	304 - 1116	910 - 2100	2628	
VLS275 - Lowered by 275mm	304 - 1116	960 - 2100	2628	
VLS300 - Lowered by 300mm	304 - 1116	1010 - 2100	2628	
VLS325 - Lowered by 325mm	304 - 1116	1060 - 2100	2628	
VLS350 - Lowered by 350mm	304 - 1116	1110 - 2100	2628	
VLS375 - Lowered by 375mm	304 - 1116	1160 - 2100	2628	
VLS400 - Lowered by 400mm	304 - 1116	1210 - 2100	2628	
VLS425 - Lowered by 425mm	304 - 1116	1260 - 2100	2628	
VLS450 - Lowered by 450mm	304 - 1116	1310 - 2100	2628	
VLS475 - Lowered by 475mm	304 - 1116	1360 - 2100	2628	
VLS500 - Lowered by 500mm	304 - 1116	1410 - 2100	2628	
VLS550 - Lowered by 550mm	304 - 1116	1510 - 2100	2628	

Limit values - ND NTech Villa Multi sash

Construction: 105/80

Applicable for product codes: TO

TA sash (primary)	Width mm	Height mm	Max W+H mm	Max weight kg
	366 - 1116	300 - 2100	2628	55
AB	366 - 1116	400 - 2100	2628	
VLD032 - Safety escutcheon Fix 805	566 - 1114	262 - 2100		
VLD836 - Handle Maksi Tokyo	436 - 1116	300 - 2100	2628	
VLD837 - Handle Tokyo with KISI VLD838 - Handle Tokyo with key (fully locked)	504 - 1116	300 - 2100	2628	
VLD839 - Handle 1710/93S for oval cylinder	934 - 1116	300 - 2100	2628	
VLS025	304 - 1116	460 - 2100	2628	
VLS050 - Lowered by 50mm	304 - 1116	510 - 2100	2628	
VLS075 - Lowered by 75mm	304 - 1116	560 - 2100	2628	
VLS100 - Lowered by 100mm	304 - 1116	610 - 2100	2628	
VLS125 - Lowered by 125mm	304 - 1116	660 - 2100	2628	
VLS150 - Lowered by 150mm	304 - 1116	710 - 2100	2628	
VLS175 - Lowered by 175mm	304 - 1116	760 - 2100	2628	
VLS200 - Lowered by 200mm	304 - 1116	810 - 2100	2628	
VLS225 - Lowered by 225mm	304 - 1116	860 - 2100	2628	
VLS250 - Lowered by 250mm	304 - 1116	910 - 2100	2628	
VLS275 - Lowered by 275mm	304 - 1116	960 - 2100	2628	
VLS300 - Lowered by 300mm	304 - 1116	1010 - 2100	2628	
VLS325 - Lowered by 325mm	304 - 1116	1060 - 2100	2628	
VLS350 - Lowered by 350mm	304 - 1116	1110 - 2100	2628	
VLS375 - Lowered by 375mm	304 - 1116	1160 - 2100	2628	
VLS400 - Lowered by 400mm	304 - 1116	1210 - 2100	2628	
VLS425 - Lowered by 425mm	304 - 1116	1260 - 2100	2628	
VLS450 - Lowered by 450mm	304 - 1116	1310 - 2100	2628	
VLS475 - Lowered by 475mm	304 - 1116	1360 - 2100	2628	
VLS500 - Lowered by 500mm	304 - 1116	1410 - 2100	2628	
VLS550 - Lowered by 550mm	304 - 1116	1510 - 2100	2628	

TA sash (secondary)	Width mm	Height mm	Max W+H mm	Max weight kg
	366 - 1116	300 - 2100	2628	55
VLD836 - Handle Maksi Tokyo	436 - 1116	300 - 2100	2628	
VLD837 - Handle Tokyo with KISI VLD838 - Handle Tokyo with key (fully locked)	504 - 1116	300 - 2100	2628	
VLD839 - Handle 1710/93S for oval cylinder	934 - 1116	300 - 2100	2628	
VLS025	304 - 1116	460 - 2100	2628	
VLS050 - Lowered by 50mm	304 - 1116	510 - 2100	2628	
VLS075 - Lowered by 75mm	304 - 1116	560 - 2100	2628	
VLS100 - Lowered by 100mm	304 - 1116	610 - 2100	2628	
VLS125 - Lowered by 125mm	304 - 1116	660 - 2100	2628	
VLS150 - Lowered by 150mm	304 - 1116	710 - 2100	2628	
VLS175 - Lowered by 175mm	304 - 1116	760 - 2100	2628	
VLS200 - Lowered by 200mm	304 - 1116	810 - 2100	2628	
VLS225 - Lowered by 225mm	304 - 1116	860 - 2100	2628	
VLS250 - Lowered by 250mm	304 - 1116	910 - 2100	2628	
VLS275 - Lowered by 275mm	304 - 1116	960 - 2100	2628	
VLS300 - Lowered by 300mm	304 - 1116	1010 - 2100	2628	
VLS325 - Lowered by 325mm	304 - 1116	1060 - 2100	2628	
VLS350 - Lowered by 350mm	304 - 1116	1110 - 2100	2628	
VLS375 - Lowered by 375mm	304 - 1116	1160 - 2100	2628	
VLS400 - Lowered by 400mm	304 - 1116	1210 - 2100	2628	
VLS425 - Lowered by 425mm	304 - 1116	1260 - 2100	2628	
VLS450 - Lowered by 450mm	304 - 1116	1310 - 2100	2628	
VLS475 - Lowered by 475mm	304 - 1116	1360 - 2100	2628	
VLS500 - Lowered by 500mm	304 - 1116	1410 - 2100	2628	
VLS550 - Lowered by 550mm	304 - 1116	1510 - 2100	2628	

TB sash	Width mm	Height mm	Max W+H mm	Max weight kg
	198 - 598	298 - 1498	2026	
VLS025	198 - 598	450 - 1998	2294	

TD sash	Width mm	Height mm	Max W+H mm	Max weight kg
	366 - 904	262 - 2100	2528	50
VLD032 - Safety escutcheon Fix 805	566 - 904	262 - 2100		
VLD068 - White Winkhaus restrictor fitted VLD069 - Brown Winkhaus restrictor fitted	465 - 904	262 - 2100	2528	
VLD837 - Handle Tokyo with KISI VLD838 - Handle Tokyo with key (fully locked)	404 - 904	262 - 2100	2528	
VLD839 - Handle 1710/93S for oval cylinder	704 - 904	262 - 2100	2528	
VLD891 - SBD	404 - 904	500 - 2100		
VLS025	266 - 904	460 - 2100	2528	
VLS050 - Lowered by 50mm	266 - 904	510 - 2100	2528	
VLS075 - Lowered by 75mm	266 - 904	560 - 2100	2528	
VLS100 - Lowered by 100mm	266 - 904	610 - 2100	2628	
VLS125 - Lowered by 125mm	266 - 904	660 - 2100	2528	
VLS150 - Lowered by 150mm	266 - 904	710 - 2100	2628	
VLS175 - Lowered by 175mm	266 - 904	760 - 2100	2528	
VLS200 - Lowered by 200mm	266 - 904	810 - 2100	2628	
VLS225 - Lowered by 225mm	266 - 904	860 - 2100	2528	
VLS250 - Lowered by 250mm	266 - 904	910 - 2100	2628	
VLS275 - Lowered by 275mm	266 - 904	960 - 2100	2528	
VLS300 - Lowered by 300mm	266 - 904	1010 - 2100	2528	
VLS325 - Lowered by 325mm	266 - 904	1060 - 2100	2528	
VLS350 - Lowered by 350mm	266 - 904	1110 - 2100	2528	
VLS375 - Lowered by 375mm	266 - 904	1160 - 2100	2528	
VLS400 - Lowered by 400mm	266 - 904	1210 - 2100	2528	
VLS425 - Lowered by 425mm	266 - 904	1260 - 2100	2528	
VLS450 - Lowered by 450mm	266 - 904	1310 - 2100	2528	
VLS475 - Lowered by 475mm	266 - 904	1360 - 2100	2528	
VLS500 - Lowered by 500mm	266 - 904	1410 - 2100	2528	
VLS550 - Lowered by 550mm	266 - 904	1510 - 2100	2528	

Limit values - ND NTech Villa Multi sash

Construction: 105/80

Applicable for product codes: TO

TD sash (primary)	Width mm	Height mm	Max W+H mm	Max weight kg
	366 - 904	262 - 2100	2528	50
VLD032 - Safety escutcheon Fix 805	566 - 904	262 - 2100		
VLD068 - White Winkhaus restrictor fitted VLD069 - Brown Winkhaus restrictor fitted	465 - 904	262 - 2100	2528	
VLD837 - Handle Tokyo with KISI VLD838 - Handle Tokyo with key (fully locked)	404 - 904	262 - 2100	2528	
VLD839 - Handle 1710/93S for oval cylinder	704 - 904	262 - 2100	2528	
VLS025	266 - 904	460 - 2100	2528	
VLS050 - Lowered by 50mm	266 - 904	510 - 2100	2528	
VLS075 - Lowered by 75mm	266 - 904	560 - 2100	2528	
VLS100 - Lowered by 100mm	266 - 904	610 - 2100	2628	
VLS125 - Lowered by 125mm	266 - 904	660 - 2100	2528	
VLS150 - Lowered by 150mm	266 - 904	710 - 2100	2628	
VLS175 - Lowered by 175mm	266 - 904	760 - 2100	2528	
VLS200 - Lowered by 200mm	266 - 904	810 - 2100	2628	
VLS225 - Lowered by 225mm	266 - 904	860 - 2100	2528	
VLS250 - Lowered by 250mm	266 - 904	910 - 2100	2628	
VLS275 - Lowered by 275mm	266 - 904	960 - 2100	2528	
VLS300 - Lowered by 300mm	266 - 904	1010 - 2100	2528	
VLS325 - Lowered by 325mm	266 - 904	1060 - 2100	2528	
VLS350 - Lowered by 350mm	266 - 904	1110 - 2100	2528	
VLS375 - Lowered by 375mm	266 - 904	1160 - 2100	2528	
VLS400 - Lowered by 400mm	266 - 904	1210 - 2100	2528	
VLS425 - Lowered by 425mm	266 - 904	1260 - 2100	2528	
VLS450 - Lowered by 450mm	266 - 904	1310 - 2100	2528	
VLS475 - Lowered by 475mm	266 - 904	1360 - 2100	2528	
VLS500 - Lowered by 500mm	266 - 904	1410 - 2100	2528	
VLS550 - Lowered by 550mm	266 - 904	1510 - 2100	2528	

TD sash (secondary)	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
	366 - 904	262 - 2100	2528	50
VLD068 - White Winkhaus restrictor fitted VLD069 - Brown Winkhaus restrictor fitted	465 - 904	262 - 2100		
VLD837 - Handle Tokyo with KISI VLD838 - Handle Tokyo with key (fully locked)	404 - 904	262 - 2100	2528	
VLD839 - Handle 1710/93S for oval cylinder	704 - 904	262 - 2100	2528	
VLS025	266 - 904	460 - 2100	2528	
VLS050 - Lowered by 50mm	266 - 904	510 - 2100	2528	
VLS075 - Lowered by 75mm	266 - 904	560 - 2100	2528	
VLS100 - Lowered by 100mm	266 - 904	610 - 2100	2628	
VLS125 - Lowered by 125mm	266 - 904	660 - 2100	2528	
VLS150 - Lowered by 150mm	266 - 904	710 - 2100	2628	
VLS175 - Lowered by 175mm	266 - 904	760 - 2100	2528	
VLS200 - Lowered by 200mm	266 - 904	810 - 2100	2628	
VLS225 - Lowered by 225mm	266 - 904	860 - 2100	2528	
VLS250 - Lowered by 250mm	266 - 904	910 - 2100	2628	
VLS275 - Lowered by 275mm	266 - 904	960 - 2100	2528	
VLS300 - Lowered by 300mm	266 - 904	1010 - 2100	2528	
VLS325 - Lowered by 325mm	266 - 904	1060 - 2100	2528	
VLS350 - Lowered by 350mm	266 - 904	1110 - 2100	2528	
VLS375 - Lowered by 375mm	266 - 904	1160 - 2100	2528	
VLS400 - Lowered by 400mm	266 - 904	1210 - 2100	2528	
VLS425 - Lowered by 425mm	266 - 904	1260 - 2100	2528	
VLS450 - Lowered by 450mm	266 - 904	1310 - 2100	2528	
VLS475 - Lowered by 475mm	266 - 904	1360 - 2100	2528	
VLS500 - Lowered by 500mm	266 - 904	1410 - 2100	2528	
VLS550 - Lowered by 550mm	266 - 904	1510 - 2100	2528	

TG sash Legal interval ranges	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
	264 - 2304	362 - 658	3228	50
	264 - 2304	658 - 874	3228	60
	264 - 2304	874 - 1700	3228	80

TG sash	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
VLD032 - Safety escutcheon Fix 805	264 - 2216	562 - 1800		
VLD614 - Chrome window Hasp	264 - 1604			
VLD837 - Handle Tokyo with KISI	288 - 2216	500 - 1800		
VLD838 - Handle Tokyo with key (fully locked)	288 - 2216	412 - 1800		
VLD839 - Handle 1710/93S for oval cylinder	504 - 2216	600 - 1800		

TQ sash	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
			3228	100
VLD555 - Blowback restrictor	304 - 2104	592 - 1500	3228	
VLD838 - Handle Tokyo with key (fully locked)	304 - 2104	400 - 1500	3228	
VLD839 - Handle 1710/93S for oval cylinder	504 - 2099	500 - 1500	3228	

TW sash	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
	274 - 1604	362 - 1000	1828	40
AB	304 - 1604	362 - 1000	1828	
VLD032 - Safety escutcheon Fix 805	264 - 1604	562 - 1000	1828	
VLD837 - Handle Tokyo with KISI VLD838 - Handle Tokyo with key (fully locked)	274 - 1604	500 - 1000	1828	
VLD839 - Handle 1710/93S for oval cylinder	274 - 1604	600 - 1000	1828	

TY sash Legal interval ranges	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
	299 - 2211	362 - 599	3123	40
	299 - 2211	600 - 999	3123	50
	299 - 2211	1000 - 1500	3123	55

TY sash	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
VLD032 - Safety escutcheon Fix 805	264 - 2216	562 - 1800		
VLD614 - Chrome window Hasp	< > - 1599			
VLD837 - Handle Tokyo with KISI	299 - 2211	400 - 1500		
VLD838 - Handle Tokyo with key (fully locked)	299 - 2211	500 - 1500		
VLD839 - Handle 1710/93S for oval cylinder	299 - 2211	600 - 1500		
VLD891 - SBD	500 - 2211	400 - 1500		

TY sash Illegal interval ranges	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
	299 - 398	362 - 461	3123	

TZ sash	**Width** mm	**Height** mm	**Max W+H** mm	**Max weight** kg
	204 - 2304	200 - 2200	3628	150

Remarks

TA sash

Standard with 2 hinges:
- Height >= 1201 mm has 3 hinges.
- Height >= 1601 mm has 4 hinges.
- Width >= 900 mm has 3 hinges.
- When sash weight > 40 kg, 3 hinges
- Height > 800 and with FIX150 (VLD381), 3 hinges.

Width CANNOT be more than 10% wider than the height.

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

TA sash (primary)

Standard with 2 hinges:
- Height >= 1201 mm has 3 hinges.
- Height >= 1601 mm has 4 hinges.
- Width >= 900 mm has 3 hinges.
- When sash weight > 40 kg, 3 hinges
- Height > 800 and with FIX150 (VLD381), 3 hinges.

Width CANNOT be more than 10% wider than the height.

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

TA sash (secondary)

Standard with 2 hinges:
- Height >= 1201 mm has 3 hinges.
- Height >= 1601 mm has 4 hinges.
- Width >= 900 mm has 3 hinges.
- When sash weight > 40 kg, 3 hinges
- Height > 800 and with FIX150 (VLD381), 3 hinges.

Width CANNOT be more than 10% wider than the height.

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

TQ sash

When sashweight over 70 kg, special description for fixing hinge to frame - reduced opening angle.

TW sash

Aluminium clad products have NP792 instead of hook & eye holder.

Limit values - ND NTech Villa Multi sash

Construction: NTech Passive

Applicable for product codes: TO

TO frame	Width mm	Height mm	Max W+H mm	Max weight kg
	350 - 4488	350 - 4488	6000	250

TG sash Legal interval ranges	Width mm	Height mm	Max W+H mm	Max weight kg
	264 - 2304	362 - 658	3228	50
	264 - 2304	658 - 874	3228	60
	264 - 2304	874 - 1700	3228	80

TG sash	Width mm	Height mm	Max W+H mm	Max weight kg
VLD032 - Safety escutcheon Fix 805	264 - 2216	562 - 1800		
VLD614 - Chrome window Hasp	264 - 1604			
VLD837 - Handle Tokyo with KISI	288 - 2216	500 - 1800		
VLD838 - Handle Tokyo with key (fully locked)	288 - 2216	412 - 1800		
VLD839 - Handle 1710/93S for oval cylinder	504 - 2216	600 - 1800		

TZ sash	Width mm	Height mm	Max W+H mm	Max weight kg
	204 - 2304	200 - 2200	3628	150