

GREBORN Doors and Windows Design Standards Documentation

| series categories | Opening Type | Hardware | Operable Panel Size | | | Note |
|---|---|---|---------------------|-------------|--------------------|--|
| | | | weight (mm) | height (mm) | support weigh (Kg) | |
| W75 series W85 series W95 series | inward opening and tilt window C slot | Germany Sobinco hidden hardware+Germany Hoppe | 450-1200 | 600-2600 | 80 | The maximum sash height is restricted by the window sash. When the sash height is greater than 1 meter, a middle lock on the side is added. |
| | inward opening and tilt window 180° C slot | | 550-1200 | 600-2600 | 80 | The maximum sash height is restricted by the window sash. When the sash height is greater than 1 meter, a middle lock on the side is added. |
| | inward opening and tilt window C slot | Belgium Sobinco hidden hardware+Germany Hoppe | 460-1400 | 685-2600 | 170 | The maximum sash height is restricted by the window sash. When the sash height is greater than 1 meter, a middle lock on the side is added. |
| | inward opening and tilt window U slot | Italy AGB hidden hardware+Germany Hoppe | 470-1035 | 600-2510 | 150 | The maximum sash height is restricted by the window sash. When the sash height is greater than 1 meter, a middle lock on the side is added. |
| | inward opening and tilt window U slot | Germany Roto U slot hardware+Germany Hoppe | 600-800 | | | |
| | W75/W85 Balcony Door_ Door and Window Combination | Germany Roto hardware+Germany Hoppe(recommended to use the inward-tilted casement window) | 500-1000 | 1200-2400 | 130 | When designing, pay attention to the height of the handle. The standard configuration is a handle with a child safety lock |
| | W75 outward and inward opening slot | Belgium Jiedo hardware+ Jiedo handle without base | 500-900 | 600-1950 | 60 | The maximum sash height is restricted by the window sash. |
| | narrow edge door | Belgium Sobinco Fine Shaft Hinge + Roto Multi-Point Linkage Lock + Anti-Theft Handwheel Lock Core + | 580-1200 | 1200-3000 | 140 | If the sash height exceeds 2500mm, add one more hinge. |
| | flush door | Belgium Sobinco Hidden Door Hinge + Belgium Sobinco Multi-Point Anti-Prying Door Locking System | 580-1200 | 1200-3000 | 180 | |
| | off-axis door | Germany Imported Häfele Floor Hinge + Belgium Sobinco Multi-Point Anti-Prying Door Locking System | 900-2400 | 1800-3000 | 500 | The range of unilateral dimension is 200 - 1400. |
| | outward opening door | GU Hinge + Roto Multi-Point Linkage Lock + Handwheel Lock Core + Germany Hoppe | 580-1000 | 1200-3000 | 120 | The range of unilateral dimension is 200 - 1400. |
| W95 series Double inner opening window and screen integrated | inward opening and tilt window C slot | Germany Siegenia hidden hardware+Germany Hoppe | 450-850 | 600-1600 | 80 | Considering the size of the screen window, it is not recommended that the height be greater than 1600. When the sash height is greater than 1 meter, add a side middle lock. |
| | inward opening and tilt window C slot | Belgium Sobinco hidden hardware+Germany Hoppe | 460-850 | 685-1600 | 170 | Considering the size of the screen window, it is not recommended that the height be greater than 1600. When the sash height is greater than 1 meter, add a side middle lock. |
| | inward opening and tilt window U slot | Italy AGB hidden hardware+Germany Hoppe | 470-850 | 600-1600 | 150 | Considering the size of the screen window, it is not recommended that the height be greater than 1600. When the sash height is greater than 1 meter, add a side middle lock. |
| W110 Integrated window screen and casement window, opening outward. | window | Belgium Jiedo Hardware + Jiedo Handle without Base | 450-900 | 600-1950 | 80 | Considering the size of the screen window, it is not recommended that the height be greater than 1600. |

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| W111 Integrated window screen and casement window, opening outward. | outward opening door screen integrated | Cmech hardware | 500-1200 | 1920-3000 | 120 | |
| W110 skylight | up-turing | Hidden Hinge + 600N Sliding Single Chain Motor + Standard Remote Controller + Intelligent Control Box | 750-1500 | 1000-2400 | 100 | The double motors can bear a weight of 200KG. For a height less than 700 - 1000, a 200mm stroke motor needs to be selected. |
| W110 skylight | up-pushing | Germany Siegenia flush Hinge + 600N Sliding Single Chain Motor + Standard Remote Controller + Intelligent Control Box | 750-2000 | 750-2000 | 180 | The stroke of the flat-pushing motor is 200mm. |
| W80 folding door | W80 folding door | Cmech folding door hardware+Cmech hardware | 550-850 | 1200-2600 | 80 | The lower bearing can be used to make a flat threshold. |
| W80 tilt and slide window | W80 tilt and sliding window | Meslo translational and rotational opening window hardware+Germany Hoppe | 650-1200 | 600-1500 | 80 | Window specially for kitchen. Do not make the upper and lower fixed window type. |
| lift door/ sliding door | W135 sliding window/ door | Cmech sliding door hardware | 500-1600 | 1200-2700 | 260 | Can increase the weight to bear a load of 300kg. |
| | W135 electric sliding door | Customized electric sliding door hardware | 800-3000 | 2000-3000 | 300 | |
| | W135 lift sliding window/ door | Belgium Sobinco lift sliding door hardware | 800-3000 | 2000-3000 | 260 | Can increase weight to bear a load of 400 kilograms. |
| | W135 electric lift door | Customized electric lift door hardware | 800-3000 | 2000-3000 | 300 | |
| | W160 lift sliding door | Germany Hoppe lift sliding door | 800-3000 | 2200-3000 | 330 | Can be equipped with internal and external double-sided handles and a handwheel anti-theft lock core. Can increase weight to bear a load of 440 kilograms. |
| | T66-160 electric lift sliding door | Germany SI 330kg Component + Internal Button / External Buckle Handle / Can Increase the Load-Bearing Capacity to 440kg | 800-3000 | 2200-3000 | 330 | The secondary sash can be manually opened. Can increase weight to bear a load of 440 kilograms. |
| Special Note: The maximum load for inward opening hardware is based on a width/height ratio of <1:2. If the width/height ratio is >1:2, the maximum load will decrease. If any of the above five standards is not met, it cannot be realized. For inward opening windows with a leaf height >1000, add a middle lock on the handle side and hinge side. | | | | | | |