



## Sectional door SLW 80

Bottom Section made of SW 80 steel door panels, other sections made of aluminium frame construction with 43 mm synthetic triple glazing

### Text Example:

Sectional door double-skinned, bottom section with PUR foam core. Outside unribbed, microprofiled, inside with stucco design. Colour similar to RAL 9002 (Grey white). Building depth 80 mm. The other sections made of aluminium frame construction in thermally separated construction, surface anodised in E6/EV1, infilled with 43 mm synthetic triple glazing, colourless. Sections with centre seal. Double header- and floor seal in EPDM quality. Screwed hinges made of galvanized steel, lateral roller guide with adjustable ball bearing rollers. Lateral closed profiled angular frame, made of hot-dipped galvanized steel, with screwed rail. Weight compensation with torsion spring shaft with lateral load-bearing cables. "Teckentrup SLW 80" or equivalent.

Compile and tender according to requirements. Please refer to technical data below for respective details. Updated 01.05.2023

### Technical data

|                            |  |
|----------------------------|--|
| <b>Product</b>             | <b>Sectional door SLW 80</b> (materialgroup ME)  |
| <b>Performance data</b>    | <p>Equivalent with product standard EN 13241-1</p> <ul style="list-style-type: none"> <li>▪ <b>Heat insulation:</b><br/>EN 13241-1, attachment B EN 12428<br/>- Door1) with triple glazing U = 2,1 W/m²K<br/>    <sup>1)</sup> with a door size of 25 m²</li> <li>▪ <b>Resistance to wind load:</b><br/>Classification as per EN 12424,<br/>test in acc. EN 12444 Class 3 (max. Pa)</li> <li>▪ <b>Resistance to water penetration:</b><br/>Classification as per EN 12425,<br/>test in acc. EN 12489 Class 0</li> <li>▪ <b>Air permeability:</b><br/>Classification as per EN 12426,<br/>test in acc. EN 12427 Class 3</li> <li>▪ <b>Reaction to fire (DIN EN 4102):</b><br/>- Door leaf element material Class B2<br/>(normally inflammable)</li> <li>▪ <b>Sound reduction index acc. to 140-3,</b><br/>acc. to EN717-1 Rw = 25 dB</li> </ul>   |
| <b>Installation</b>        | ▪ Masonry, Concrete, Steel construction  |
| <b>Size Range</b>          | Modular dimension:<br>Width: 2.000 – 6.750 mm; height: 1.875 – 6.000 mm<br>(further dimensions on request)   |
| <b>Door leaf</b>           | <ul style="list-style-type: none"> <li>▪ Door leaf / Bottom section. Consisting of one SW 80 door section, galvanized sheet steel;</li> <li>▪ Building depth: 80 mm</li> <li>▪ Insulation: Polyurethane foam core.</li> <li>▪ Surface Protection: coil coating, two-layer outside (acrylate-base ~ 25 µm), inside one layer (polyester-based ~ 10 µm). Standard colour similar to RAL 9002 Grey white</li> <li>▪ Surface: Panels horizontally ribbed outside, stucco textured or microprofiled or unribbed, microprofiled. <b>Inside</b> always stucco textured.</li> <li>▪ Door leaf / above the bottom section:<br/>Glazed strip as separate section made of aluminium profiles in thermally separated construction, surface anodised in E6/EV1, standardly infilled with 43 mm KS-triple glazing colourless, retaining ledge aluminium anodised in E6/EV1 with seal. Optionally: fourfold glazing, scratch-resistant surface, etc.</li> <li>▪ Seals: Floor-, header- and centre seal in EPDM-quality.</li> <li>▪ Door leaf fittings: Screwed hinges, galvanized steel (linked the single sections) lateral roller guide with adjustable ball bearing rollers</li> </ul> |
| <b>Frame</b>               | ▪ Lateral closed, profiled angular frame, hot-dipped galvanized, with screwed guide rail. Lateral rubbing stripe with sealing lip.   |
| <b>Manual operation</b>    | <ul style="list-style-type: none"> <li>▪ Handle inside including rope</li> <li>▪ Manual chain hoist (hand chain)</li> </ul>  |
| <b>Weight compensation</b> | ▪ Torsion springs with lateral load-bearing cables. Galvanized and shot blasted.   |
| <b>Locking</b>             | <ul style="list-style-type: none"> <li>▪ Sliding bolt (on one side) including rope and handle on the inside. Additional locking of electrically operated doors.</li> <li>▪ From the inside with electrically operated sliding bolts (night-time locking)</li> </ul>  |

### Fittings

- N: Normal fitting (in the basic price in the table)
- ND: Normal fitting which follows the shape of the roof
- HL: High lift guide rail fitting
- HLU: High lift guide rail fitting + bottom torsion spring shaft
- HLD: High lift guide rail fitting which follows the shape of the roof
- HLU D: High lift guide rail fitting with roof incline and bottom torsion spring shaft and bottom torsion spring shaft.
- NSH: Low headroom fitting with rear spring shaft
- NSD: Low headr. fitting which follows the shape of the roof
- VL: Vertical fitting
- VLU: Vertical fitting with lower torsion spring shaft

### Required space

|                                    |                          |
|------------------------------------|--------------------------|
| Lateral stops:                     |                          |
| for manual operation on both sides | mind. 110 mm             |
| for manual operation (NSH/NSD)     | mind. 120 mm             |
| for geared chain                   | mind. 185 mm             |
| for shaft drive                    | mind. 210 mm             |
| for chain drive                    | mind. 150 mm             |
| Headroom:                          |                          |
| N-fitting                          | 400 - 500 mm             |
| ND-fittings                        | 470 - 550 mm             |
| NSH/NSD-fitting                    | mind. 310 mm             |
| HL(U/D)-fittings                   | notice headroom          |
| VL(U)-fittings                     | door height x 2 + 500 mm |

### Drives

- Shaft mount drive, chain drive, three-phase voltage 400 Volt, 3~Ph 50 Hz, 20 cycles\* per hour, protection class IP 65, with emergency hand crank, TÜV approved.
- Shaft drive with alternating voltage 230 Volt 1~Ph, 50 Hz, 20 cycles\* per hour, protection class IP 65, with emergency hand crank, TÜV approved, combined with a frequency converter control with „soft“-start and „soft“-stop.
- Direct drive as springless door without weight compensation, three-phase voltage 400V, 3~Ph, 50 Hz, 20 cycles\* per hour, protection class IP 65, with emergency hand crank, TÜV approved, safety device integrated.

\* A cycle is a complete closing and opening operation of the door.

### Control

- For shaft and chain drives, ready to plug pre-wired and with CEE-plug. In the basic usage noticed as deadman-control. Function without closing edge safety control voltage 24V safety extra low voltage, protection class IP 65, push buttons open-stop-close.
- Pulse control (automatic mode „close“) in connection with closing edge safety device
- Radio remote control
- Automatic closing in combination with traffic lights
- Traffic control

### Special-equipment

Casing, fixed panels matching door, stop rail, ventilation grille, special RAL colours

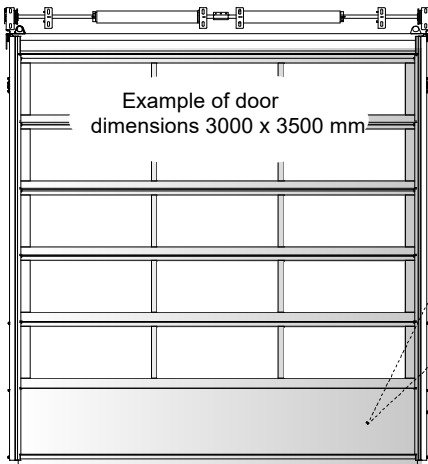
**Sectional door SLW 80**

Bottom Section made of SW 80 steel door panels, other sections made of aluminium frame construction with 43 mm synthetic triple glazing



**SLW 80 (exterior view) Bottom section 610 mm**

**Normal-fitting N**



**Surface texture**

microprofiled



stucco design



**Version**

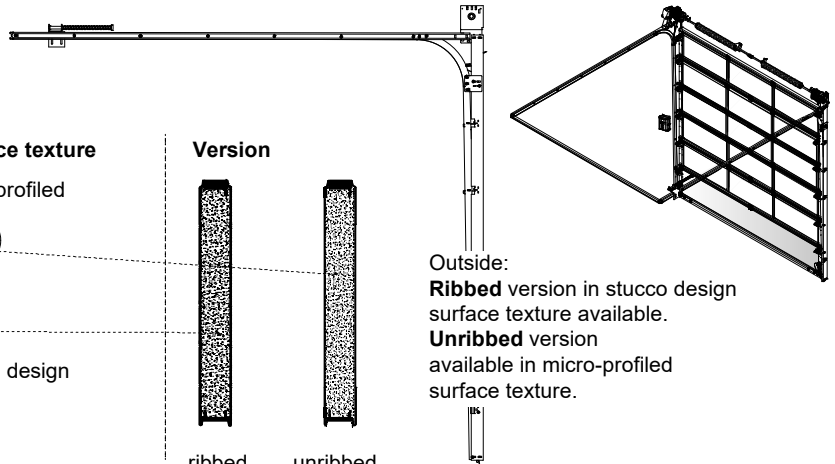


ribbed



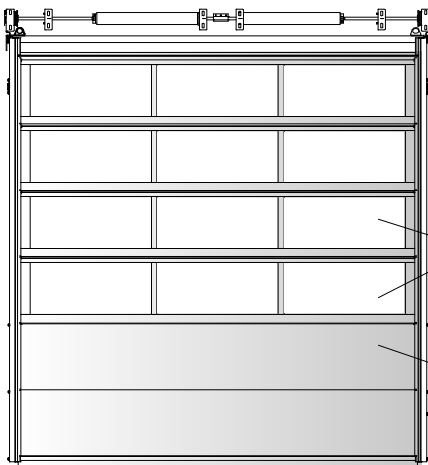
unribbed

Outside:  
**Ribbed** version in stucco design surface texture available.  
**Unribbed** version available in micro-profiled surface texture.



**SLW 80 (exterior view) Bottom section 1220 mm**

**Normal-fitting N**



**SL sections**  
43 mm synthetic triple glazing

