



## Sectional door SLW 40

Aluminium profile frame structure, bottom section made of steel door panels, optional with wicket door

### Text example:

Sectional door double-skinned, bottom section with PUR foam core. Outer side without rib microprofiled, inner side stucco design. Colour similar to RAL 9002 (Grey white). Building depth 40 mm. The other sections made of aluminium frame construction, surface anodised in E6/EV1, infilled with 20mm KS double panels. Sections with centre seal. Header-, floor- and centre 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 40" or equivalent. Compile and tender according to requirements. Please refer to technical data below for respective details. Updated 01.05.2023

### Technical data

Product	Sectional door SLW 40
<b>Performance data</b>	<p>equivalent with product standard EN 13241-1</p> <p><b>Heat insulation SLW 40:</b></p> <ul style="list-style-type: none"> <li>Door<sup>1)</sup> without wicket door with double glazing <math>U = 3,1 \text{ W/(m}^2\text{K)}</math></li> <li>Door<sup>1)</sup> with wicket door with double glazing <math>U = 3,5 \text{ W/(m}^2\text{K)}</math></li> </ul> <p>optional:</p> <ul style="list-style-type: none"> <li>Door<sup>1)</sup> 6 chamber multi-skin sheet <math>U = 1,8 \text{ W/(m}^2\text{K)}</math></li> <li>Door<sup>1)</sup> with KS-3-glazing <math>U = 2,9 \text{ W/(m}^2\text{K)}</math></li> </ul> <p><sup>1)</sup> With a door size of 25 m<sup>2</sup></p> <p><b>Resistance to wind load:</b> Classification in acc. with EN 12424, test in acc. EN 12444:</p> <ul style="list-style-type: none"> <li>Door without / with wicket door Class 2 (max. Pa)</li> </ul> <p><b>Resistance to water penetration:</b> classification in acc. with EN 12425, test in acc. EN 124897:</p> <ul style="list-style-type: none"> <li>Door without wicket door Class 2/3<sup>1)</sup></li> <li>Door with wicket door Class 1/3<sup>1)</sup></li> </ul> <p><sup>1)</sup> Can only be achieved with special bottom profiles.</p> <p><b>Air permeability:</b> Classification in acc. with EN 12426, test in acc. EN 12427:</p> <ul style="list-style-type: none"> <li>Door without / with wicket door Class 3</li> </ul> <p><b>Reaction to fire (DIN EN 4102):</b></p> <ul style="list-style-type: none"> <li>Door leaf element material class (normally inflammable) B2</li> </ul> <p><b>Sound reduction index acc. to EN 1717-1</b> acc. to EN 1717-1 <math>R_w = 23 \text{ dB}</math></p>
<b>Installation</b>	<ul style="list-style-type: none"> <li>Masonry, Concrete, Steel construction</li> </ul>
<b>Size range</b>	<p>Width: 2.000 - 8.000 mm; Height: 1.875 - 6.000 mm (Further dimensions on request)</p>
<b>Door leaf</b>	<ul style="list-style-type: none"> <li>Door leaf / bottom section: Consisting of one SW 40 door section, galvanized sheet steel; building depth 40 mm. Insulation: Polyurethane foam core</li> <li>Surface protection: Coil coating, two-layer outside (acrylate base ~ 25 µm), with strippable protective film; inner side one layer (polyester base ~ 10 µm). Standard colour similar to RAL 9002 Grey white.</li> <li>Optic: <b>ribbed   centre ribbed   unribbed</b></li> <li>Surface: Panels horizontally ribbed outside, stucco textured or microprofiled or unribbed microprofiled, inside always stucco textured.</li> <li>Door leaf / over bottom section: Glazed strip as separate section made of aluminium profiles, cold profile without thermal separation AL-MG-SI 0,5, surface anodised in E6/EV1, standardly infilled with 20 mm KS-double glazing colourless, retaining ledge KS-black with seal. Other infills with triple glazing, 6 chamber multi-skin sheet, 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>	<ul style="list-style-type: none"> <li>Lateral closed, profiled angular frame, hot-dipped galvanized steel, with screwed guide rail. Lateral rubbing stripe with sealing lip.</li> </ul>
<b>Manual operation</b>	<ul style="list-style-type: none"> <li>Handle inside including rope</li> <li>Handle inside / footboard outside including rope</li> <li>Manual chain hoist</li> </ul>
<b>Weight compensation</b>	<ul style="list-style-type: none"> <li>Torsion springs with lateral load-bearing cables galvanized and shot blasted.</li> </ul>
<b>Locking</b>	<ul style="list-style-type: none"> <li>Locking mechanism can be operated from the outside and inside via a profile cylinder (30,5 mm) including rope, with handle / footboard (integrated in the section)</li> <li>Sliding bolt (on one side) including rope, incl. handle on the inside</li> <li>Additional locking of electrically operated doors: from the inside with electrically operated sliding bolts (night-time locking)</li> </ul>

<b>Fitting</b>	<ul style="list-style-type: none"> <li>N = Normal fitting (in the basic price in the table)</li> <li>ND = Normal fitting which follows the shape of the roof</li> <li>HL = High lift guide rail fitting</li> <li>HLU = High lift guide rail fitting + bottom torsion spring shaft</li> <li>HLD = High lift guide rail fitting which follows the shape of the roof</li> <li>HLUD = High lift guide rail fitting with roof incline and bottom torsion spring shaft</li> <li>NSH = Low headroom fitting with rear spring shaft</li> <li>NSD = Low headr. fitting which follows the shape of the roof</li> <li>VL = Vertical fitting</li> <li>VLU = Vertical fitting with lower torsion spring shaft</li> </ul>																						
<b>Required space</b>	<p>Lateral stops:</p> <table> <tr> <td>for manual operation on both sides</td><td>min. 110 mm</td></tr> <tr> <td>for manual operation (NSH/NSD)</td><td>min. 120 mm</td></tr> <tr> <td>for geared chain</td><td>min. 185 mm</td></tr> <tr> <td>for shaft drive</td><td>min. 210 mm</td></tr> <tr> <td>for chain drive</td><td>min. 150 mm</td></tr> </table> <p>Headroom:</p> <table> <tr> <td>N-fitting</td><td>400 - 500 mm</td></tr> <tr> <td>ND-fitting</td><td>470 - 550 mm</td></tr> <tr> <td>NSH/NSD-fitting</td><td>min. 270 mm</td></tr> <tr> <td>NSH/NSD-fitting with wicket door</td><td>min. 300 mm</td></tr> <tr> <td>HL(U/D) -fittings</td><td>notice headroom</td></tr> <tr> <td>VL(U) -fittings</td><td>door height x 2 + 500 mm</td></tr> </table>	for manual operation on both sides	min. 110 mm	for manual operation (NSH/NSD)	min. 120 mm	for geared chain	min. 185 mm	for shaft drive	min. 210 mm	for chain drive	min. 150 mm	N-fitting	400 - 500 mm	ND-fitting	470 - 550 mm	NSH/NSD-fitting	min. 270 mm	NSH/NSD-fitting with wicket door	min. 300 mm	HL(U/D) -fittings	notice headroom	VL(U) -fittings	door height x 2 + 500 mm
for manual operation on both sides	min. 110 mm																						
for manual operation (NSH/NSD)	min. 120 mm																						
for geared chain	min. 185 mm																						
for shaft drive	min. 210 mm																						
for chain drive	min. 150 mm																						
N-fitting	400 - 500 mm																						
ND-fitting	470 - 550 mm																						
NSH/NSD-fitting	min. 270 mm																						
NSH/NSD-fitting with wicket door	min. 300 mm																						
HL(U/D) -fittings	notice headroom																						
VL(U) -fittings	door height x 2 + 500 mm																						
<b>Drives</b>	<ul style="list-style-type: none"> <li>Shaft drive, chain drive, three-phase voltage 400V 3~Ph, 50 Hz, 20 cycles* per hour, protection class IP 65, with emergency hand crank, TÜV approved</li> <li>Shaft drive with alternating voltage 230 Volt 1~Ph, 50 Hz, 20 cycles* per hour, protection cl. IP 65, with emergency hand crank, TÜV approved, combined with a frequency converter control with "soft"-start and "soft" stop</li> <li>Direct drive as springless door without weight compensation, three-phase voltage 400V 3~Ph, 50Hz, 20 cycles* per hour, protection class IP 65, with emergency hand crank, TÜV approved, safety device integrated</li> </ul> <p>* A cycle is a complete closing and opening operation of the door.</p>																						
<b>Control</b>	<ul style="list-style-type: none"> <li>For shaft and chain drives, ready to plug prewired and with CEE-plug. In the basic usage noticed as deadman-control. Function without closing edge safety device, control voltage 24V safety extra low voltage, protection class IP 65, push buttons open-stop-close.</li> <li>Pulse control (automatic mode "close") in connection with closing edge safety device</li> <li>Radio remote control</li> <li>Automatic closing in combination with traffic lights</li> <li>Traffic control</li> </ul>																						
<b>Drives</b>	<ul style="list-style-type: none"> <li><b>door operator DRIVE 1100   1100<sup>Pro</sup>   1100<sup>iga</sup></b></li> <li>Nominal Voltage 230V AC</li> <li>Control voltage 24V DC</li> <li>only for Normal (N) and Low headroom (NSH)- fitting</li> <li>Max. tractive and compressive force 1100 N</li> <li>Max. permissible door leaf weight 260kg</li> <li>Max. door width x door height = 6.500 x 3.000 mm</li> <li>A detailed description of the drives and controls + a large selection of accessories (e.g. hand-held transmitter, radio code button, radio receiver, wall button, etc.) can be found in our current price list</li> </ul>																						
<b>Wicket door</b>	<p>Installation of door width 2.501 - 6.000 mm</p> <ul style="list-style-type: none"> <li>Overhead door closer with slide without locking unit</li> <li>Mortice lock, prepared for PC (30.5/30.5)</li> <li>Lever/lever made of aluminium (F1)</li> <li>Profile edging made of aluminium E6/EV1</li> <li>Further locks, sets, coatings, etc. -optionally</li> </ul>																						
<b>Special-equipment</b>	<p>Casing, fixed panels matching door, side door N53 with upper casing, stop rail, ventilation grille, special RAL-colours</p>																						



## Sectional door SLW 40

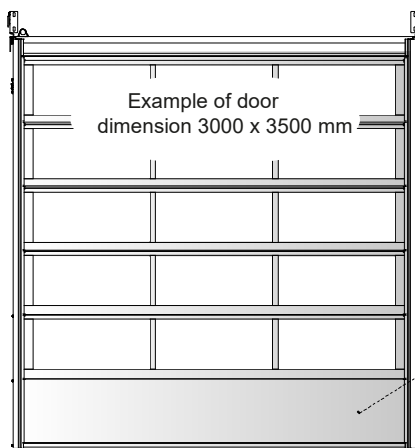


Aluminium profile frame structure, bottom section made of steel door panels, optional with wicket door

SLW 40 (exterior view)

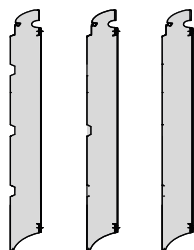
Bottom section 625 mm

Normal-fitting **N**

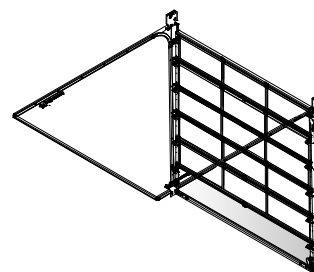
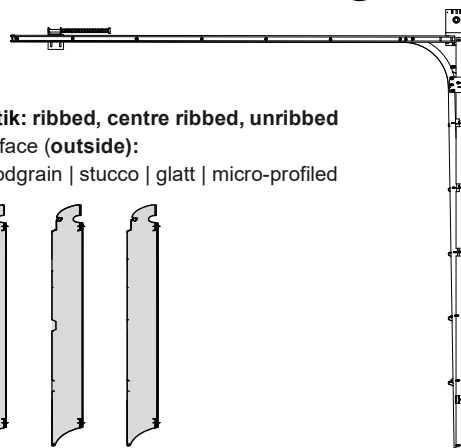


Example of door  
dimension 3000 x 3500 mm

**Optik: ribbed, centre ribbed, unribbed**  
**Surface (outside):**  
 woodgrain | stucco | glatt | micro-profiled



Special surface texture in smooth or woodgrain available

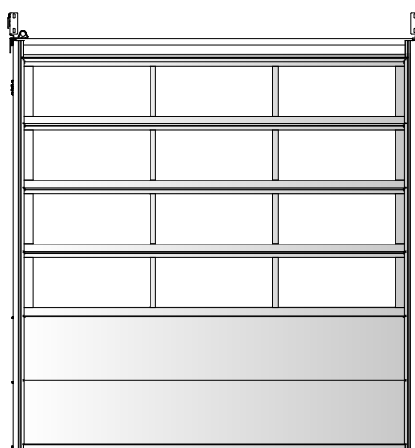


Ribbed version in microprofiled and stucco design surface texture (outside) available. Unribbed version available in microprofiled surface texture.

SLW 40 (exterior view)

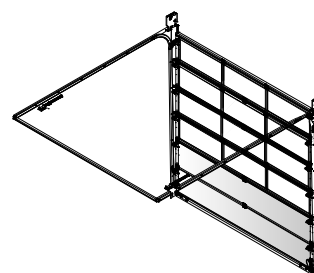
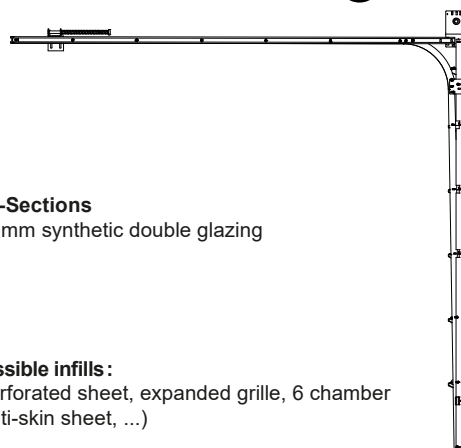
Bottom section 1250 mm

Normal-fitting **N**

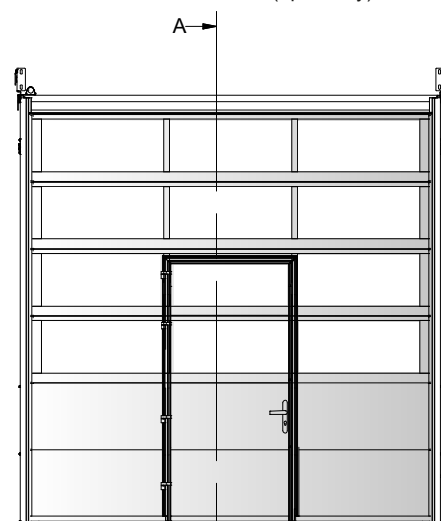


**SL-Sections**  
 20 mm synthetic double glazing

**Possible infills:**  
 (Perforated sheet, expanded grille, 6 chamber multi-skin sheet, ...)

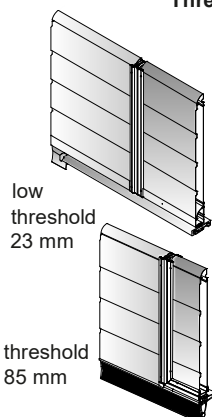


SLW 40 with wicket door (optionally)



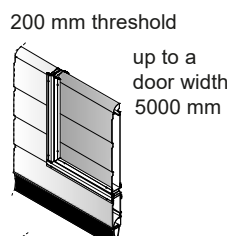
A-A

Threshold types

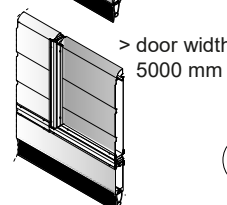


low  
threshold  
23 mm

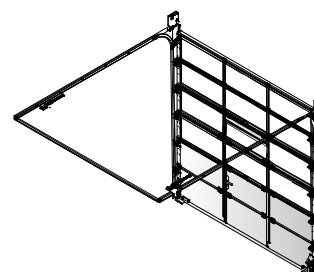
threshold  
85 mm



200 mm threshold  
 up to a  
door width  
5000 mm



> door width  
5000 mm



Threshold shapes

Standard equipment for all wicket doors includes:  
 Overhead door closer with slide rail, without locking unit,  
 mortice lock- prepared for a profil cylinder (PC=30.5/30.5).  
 Wicket door opening outwards, frame profiles in aluminium E6/EV1