



## Sectional door SL 40

Aluminium frame construction, bottom section infilled with 20 mm aluminium sandwich panels optionally with wicket door

### Text example:

Sectional door as aluminium frame construction, surface anodised in E6/EV1, infilled with 20 mm KS double panels, colourless. Bottom section infilled with aluminium sandwich plates, stucco design. Building depth 40 mm. Sections with centre seal. Header seal, floor seal 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 SL 40" or equivalent. Compile and tender according to requirements. Please refer to technical data below for respective details. Updated 01.05.2023

### Technical data

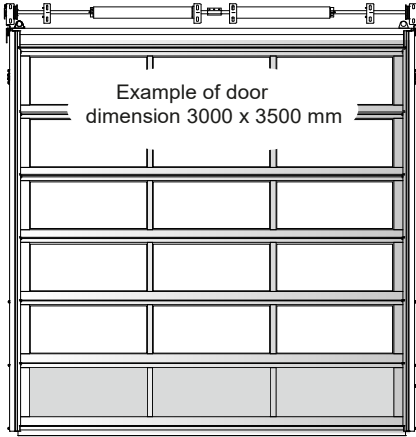
<b>Product</b>	<b>Sectional door SL 40</b> (materialgroup MA)		<b>Fitting</b>	<ul style="list-style-type: none"> <li>▪ N = Normal fitting (in the basic price in the table)</li> <li>▪ ND = Normal fitting which follows the shape of the roof</li> <li>▪ HL = High lift guide rail fitting</li> <li>▪ HLU = H. l. g. rail fitting + bottom torsion spring shaft</li> <li>▪ HLD = High lift guide rail fitting which follows the shape of the roof</li> <li>▪ HLU = 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 = L. h.. f. 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>Performance data</b>	equivalent with product standard EN 13241-1 <b>Heat insulation SL 40:</b> - Door <sup>1)</sup> without wicket door with double glazing <sup>2)</sup> U = 3,3 W/(m <sup>2</sup> K) - Door <sup>1)</sup> with wicket door with double glazing <sup>2)</sup> U = 3,7 W/(m <sup>2</sup> K) optional: - Door <sup>1)</sup> 6 chamber multi-skin sheet U = 1,8 W/(m <sup>2</sup> K) - Door <sup>1)</sup> KS triple glazing U = 3,1 W/(m <sup>2</sup> K) <sup>1)</sup> with a door size of 25 m <sup>2</sup> <sup>2)</sup> with double glazing, bottom section with aluminium sandwich plates <b>Resistance to wind load:</b> Classification in acc. with EN 12424, test in acc. EN 12444: - Door without / with wicket door Class 2 (max. Pa) <b>Resistance to water penetration:</b> classification in acc. with EN 12425, test in acc. EN 124897: - Door without wicket door Class 2/3 <sup>*1</sup> - Door with wicket door Class 1/3 <sup>*1</sup> <sup>*1</sup> Can only be achieved with special bottom profiles. <b>Air permeability:</b> (classification in acc. with EN 12426, test in acc. EN 12427): - Door without / with wicket door Class 3 <b>Reaction to fire</b> (DIN EN 4102): - Door leaf element material class (normally inflammable) B2		<b>Required space</b>	Lateral stops: 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 Headroom: 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>Installation</b>	▪ Masonry, Concrete, Steel construction		<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> * A cycle is a complete closing and opening operation of the door.
<b>Size range</b>	Width: 2.000 - 8.000 mm; Height: 1.875 - 6.000 mm (Further dimensions on request)		<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>Door leaf</b>	▪ Door leaf: Frame construction 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. ▪ Seals: Floor-, header- and centre seal in EPDM-quality. ▪ Door leaf fittings: Screwed hinges, galvanized steel (linked the single sections) lateral roller guide with adjustable ball bearing rollers.		<b>Drives</b>	<ul style="list-style-type: none"> <li>▪ door operator DRIVE 1100   1100<sup>pro+</sup>   1100<sup>liga+</sup></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 Max. permissible door leaf weight 260kg Max. door width x door height = 6500 x 3000 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>Frame</b>	▪ Lateral closed, profiled angular frame, hot-dipped galvanized steel, with screwed guide rail. Lateral rubbing stripe with sealing lip.		<b>Wicket door</b>	Installation of door width 2501 – 6000 mm ▪ Overhead door closer with slide without locking unit ▪ Mortice lock, prepared for PC (30.5/30.5) ▪ Lever/lever made of aluminium (F1) ▪ Profile edging made of aluminium E6/EV1 ▪ Further locks, sets, coatings, etc. -optionally
<b>Manual operation</b>	▪ Handle inside including rope ▪ Handle inside / footboard outside including rope ▪ Manual chain hoist		<b>Special-equipment</b>	Casing, fixed panels matching door, side door N53 with upper casing, stop rail, venti. grille, special RAL-colours
<b>Locking</b>	▪ 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) ▪ Sliding bolt (on one side) including rope, incl. handle on the inside ▪ Additional locking of electrically operated doors: From the inside with electrically operated sliding bolts (night-time locking)			
<b>Weight compensation</b>	▪ Torsion springs with lateral load-bearing cables galvanized and shot blasted.			

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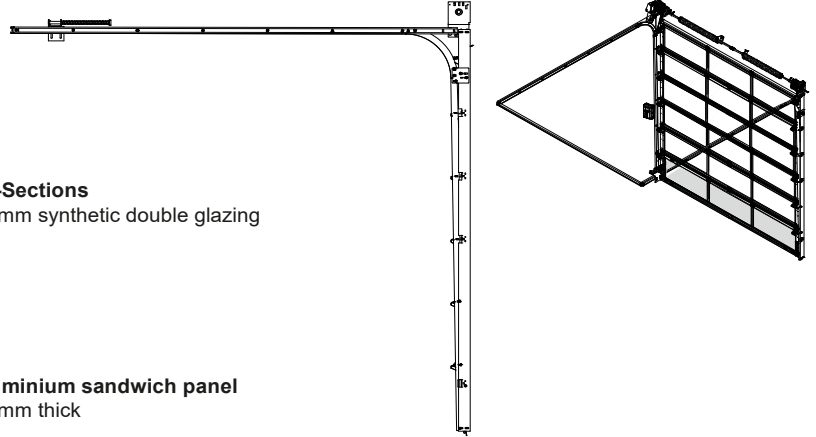
Aluminium frame construction, bottom section infilled with 20 mm aluminium sandwich panels optionally with wicket door



SL 40 (exterior view)



Normal-fitting **N**

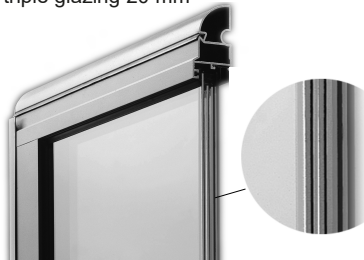


**Example of infills:** Various glazing and grille types for SW 40, SLW 40 and SL 40

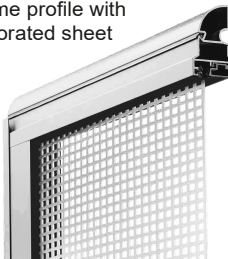
Frame profile with double glazing 20 mm



Frame profile with triple glazing 20 mm



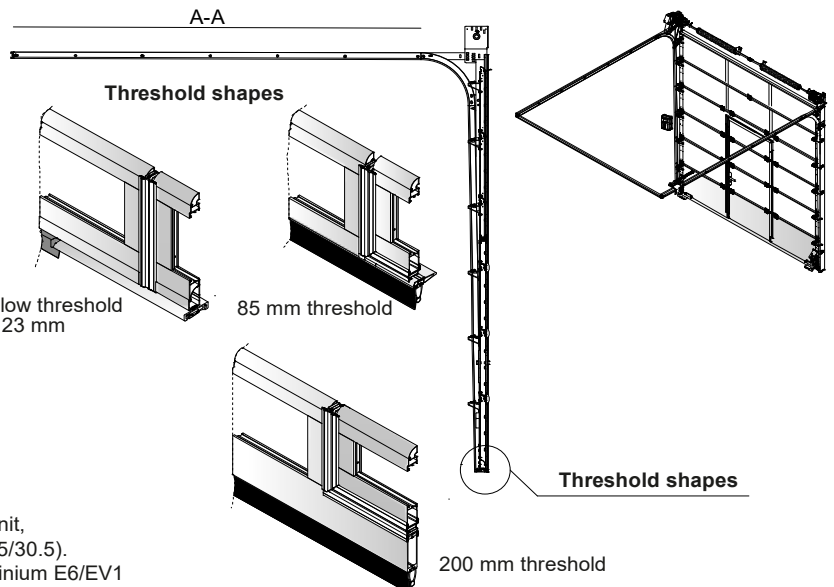
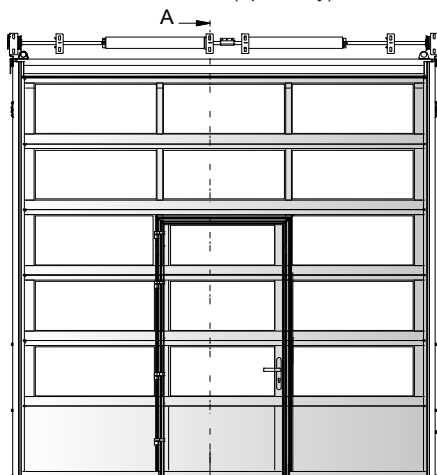
Frame profile with perforated sheet



Frame profile with expanded grille



SL 40 with wicket door (optionally)



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