



## Sectional door SL 80

Aluminium frame construction infilled with 43 mm synthetic triple glazing

### Text example:

Sectional door 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 SL 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 SL 80</b>		<b>Fittings</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 with 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 = 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>Performance data:</b>	<ul style="list-style-type: none"> <li>▪ Equivalent with product standard EN 13241-1</li> <li>▪ <b>Heat insulation:</b> EN 13241-1, attachment B EN 12428: - door<sup>1)</sup> with triple glazing U = 2,3 W/m<sup>2</sup>K - <sup>1)</sup> With a door size of 25 m<sup>2</sup></li> <li>▪ <b>Resistance to wind load:</b> Classification in acc. with EN 12424, test in acc. EN 12444 Class 3 (max. Pa)</li> <li>▪ <b>Resistance to water penetration:</b> Classification in acc. with EN 12425, test in acc. EN 12489 Class 0</li> <li>▪ <b>Air permeability:</b> Classification in acc. with EN 12426, test in acc. EN 12427 Class 3</li> <li>▪ <b>Reaction to fire (DIN EN 4102)</b> - Door leaf element material B2 (normally inflammable)</li> <li>▪ <b>Sound reduction index acc. to ISO 140-3,</b> acc. to EN 717-1 Rw = 25 dB</li> </ul>		<b>Required space</b>	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-fittings 400 - 500 mm ND-fittings 470 - 550 mm NSH/NSD-fittings mind. 310 mm HL(U/D)-fittings notice headroom VL(U)-fittings door height x 2 + 500 mm
<b>Installation</b>	<ul style="list-style-type: none"> <li>▪ Masonry</li> <li>▪ Concrete</li> <li>▪ Steel construction</li> </ul>		<b>Drives</b>	<ul style="list-style-type: none"> <li>▪ 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.</li> <li>▪ 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.</li> <li>▪ 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.</li> </ul> <p>* A cycle is a complete closing and opening operation of the door.</p>
<b>Size range</b>	Modular dimension: Width: 2.000 - 6.750 mm; Height: 1.875 - 6.000 mm (Further dimensions on request)		<b>Control</b>	<ul style="list-style-type: none"> <li>▪ For shaft drive 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 device, control voltage 24 V 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>	<ul style="list-style-type: none"> <li>▪ Door leaf: Aluminium frame construction 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.</li> <li>▪ 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>Special-equipment</b>	Casing, fixed panels matching door, stop rail; special RAL-colours optional
<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 / footboard outside including rope</li> <li>▪ Manual chain hoist</li> </ul>			
<b>Locking</b>	<ul style="list-style-type: none"> <li>▪ Sliding bolt (on one side) including rope, incl. on the inside additional locking of electrically operated doors</li> <li>▪ From the inside with electrically operated sliding bolts (night-time locking)</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>			

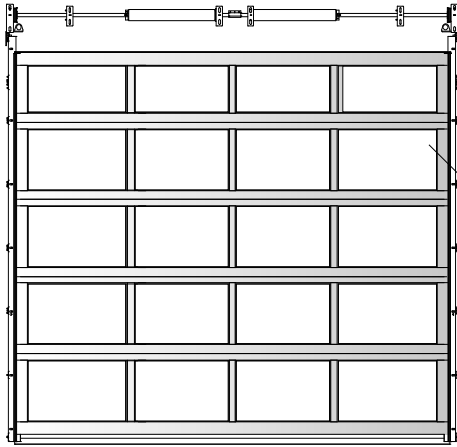


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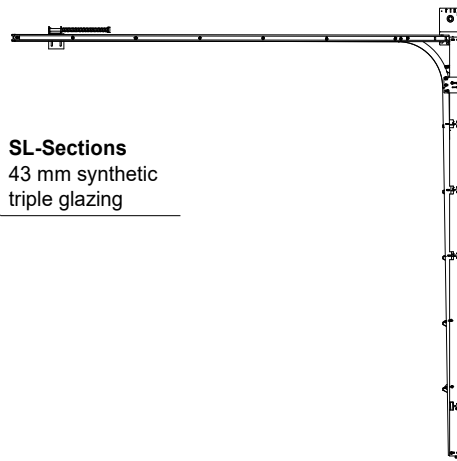
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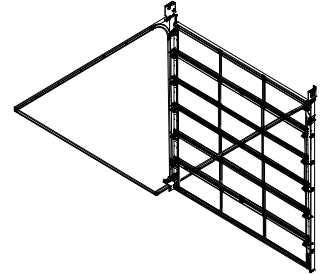
SL 80 (exterior view)



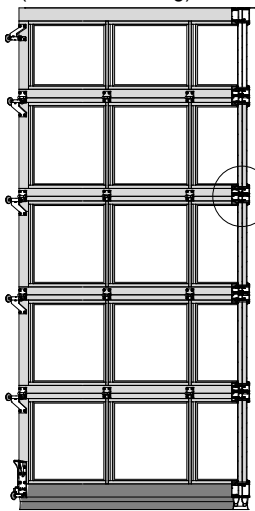
Normal-fitting **N**



SL-Sections  
43 mm synthetic  
triple glazing



Profile door leaf  
(sectional drawing)



Triple glazing

