



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 1. April 2018.

Technical Data

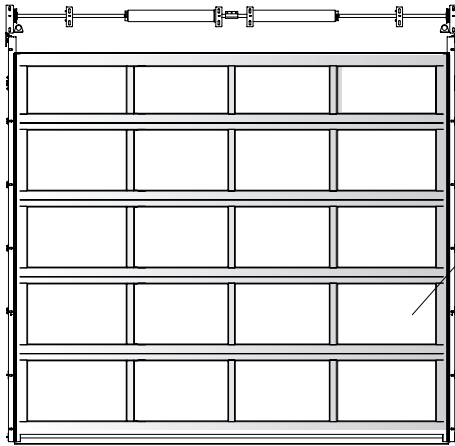
Product	Sectional door SL 80	Fittings	<ul style="list-style-type: none"> ▪ N = Normal fitting (in the basic price in the table) ▪ ND = Normal fitting which follows the shape of the roof ▪ HL = High lift guide rail fitting ▪ HLU = High l. guide rail fitting with bottom torsion spring shaft ▪ HLD = High lift guide rail fitting which follows the shape of the roof ▪ HLU = High lift guide rail fitting with roof incline 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
Performance data:	<p>Equivalent with product standard EN 13241-1</p> <ul style="list-style-type: none"> ▪ Heat insulation: EN 13241-1, attachment B EN 12428: - door¹⁾ with triple glazing U = 2,3 W/m²K ¹⁾ With a door size of 25 m² ▪ Resistance to wind load: Classification in acc. with EN 12424, test in acc. EN 12444 Class 3 (max. Pa) ▪ Resistance to water penetration: Classification in acc. with EN 12425, Test in acc. EN 12489 Class 0 ▪ Air permeability: Classification in acc. with EN 12426, test in acc. EN 12427 Class 3 ▪ Reaction to fire (DIN EN 4102) - Door leaf element material B2 (normally inflammable) ▪ Sound reduction index acc. to ISO 140-3, acc. to EN 717-1 Rw = 25 dB 	Required space	<p>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</p> <p>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</p>
Installation	<ul style="list-style-type: none"> ▪ Masonry ▪ Concrete ▪ Steel construction 	Drives	<ul style="list-style-type: none"> ▪ Shaft mount drive, chain drive, three-phase voltage 400 Volt, 3~Ph 50 Hz, 60% ED, protection class IP 65, with emergency hand crank, TÜV approved. ▪ Shaft drive with alternating voltage 230 Volt 1~Ph, 50 Hz, 60% ED, protection cl 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, 60% ED, protection cl. IP 65, with emergency hand crank, TÜV approved, safety device integrated.
Size range	Modular dimension: Width: 2000 - 6750 mm; Height: 1875 - 6000 mm (Further dimensions on request)	Control	<ul style="list-style-type: none"> ▪ 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. ▪ Pulse control (automatic mode „close“) in connection with closing edge safety device ▪ Radio remote control ▪ Automatic closing in combination with traffic lights ▪ Traffic control
Door leaf	<ul style="list-style-type: none"> ▪ 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. Optionally: fourfold glazing, scratch-resistant surface, 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 	Special-equipment	Casing, fixed panels matching door, stop rail; special RAL-colours
Frame	<ul style="list-style-type: none"> ▪ Lateral closed, profiled angular frame, hot-dipped galvanized steel, with screwed guide rail. Lateral rubbing stripe with sealing lip. 		
Manual operation:	<ul style="list-style-type: none"> ▪ Handle inside / footboard outside including rope) ▪ Manual chain hoist 		
Locking	<ul style="list-style-type: none"> ▪ Sliding bolt (on one side) including rope, incl. on the inside additional locking of electrically operated doors ▪ From the inside with electrically operated sliding bolts (night-time locking) 		
Weight compensation	<ul style="list-style-type: none"> ▪ Torsion springs with lateral load-bearing cables, galvanized and shot blasted 		



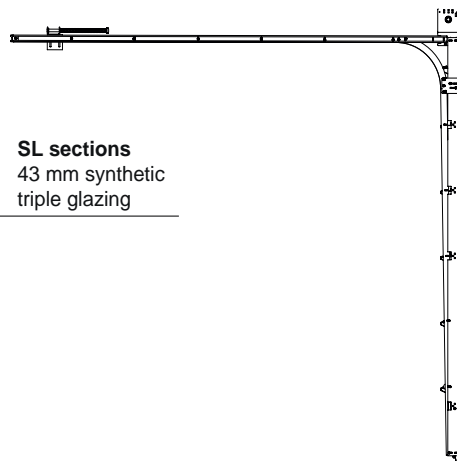
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SL 80 (exterior view)

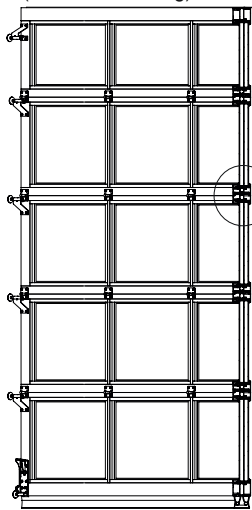


normal-fitting **N**

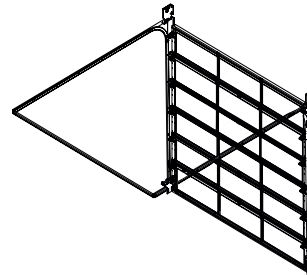
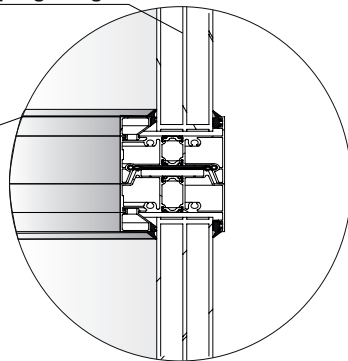


SL sections
43 mm synthetic
triple glazing

Profile door leaf
(sectional drawing)



triple glazing



Further documents:

The exact dimensions for the lateral buffers and the header buffer can be found in our Installation data for roller shutters and roller grilles. It contains individually dimensioned assembly drawings for each shutter. Please contact us for exceptional types of handing.