

# Sectional door SL 80

Aluminium frame construction infilled with 43 mm synthetic triple glazing



## Text example

Compile and tender according to requirements.

Please refer to technical data below for respective details.

Updated 1<sup>st</sup> June 2015

| Position | No. of pieces | Item   | Unit price € | Total price € |
|----------|---------------|--|--------------|---------------|
|          |               | 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. |              |               |
|          |               | Clearance dimensions : _____ mm width x _____ mm height<br>Fitting: _____<br>Headroom: _____ mm<br>Lateral buffer: _____ mm right hand, _____ mm left hand<br>Wicket door: _____ with / _____ without<br>Control: _____ Manual operation / _____ E-Drive with _____ Deadman- / _____ Pulse-Control   |              |               |

## Technical Data

### Sectional door SL 80

**Performance data:** Equivalent with product standard EN 13241-1

- Heat insulation  
EN 13241-1, attachment B EN 12428:  
· U = 2.3 W/m<sup>2</sup>K (Door<sup>1</sup>) with triple glazing)  
    <sup>1)</sup> with a door size of 25 m<sup>2</sup>
- Resistance to wind load  
(Classification as per EN 12424, test in acc. EN 12444):  
· Class 3 (max. Pa)
- Resistance to water penetration  
(classification as per EN 12425, test in acc. EN 12489):  
· Class 0
- Air permeability  
(classification as per 12426, test in acc. EN 12427):  
· Class 3
- Reaction to fire (DIN EN 4102):  
· Door leaf element material cl. B2 (normally inflammable)
- Sound reduction index acc. to ISO 140-3, acc. to EN717-1  
· R<sub>w</sub> = 25 dB

**Installation:** • Masonry • Concrete • Steel construction

**Size range:** Width: 2000 – 6750 mm; height: 1875 – 6000 mm  
(Further dimensions on request)

- Door leaf:**
- Door leaf:  
Aluminium frame construction in thermally separated construction, aluminium 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

**Frame:**

- Lateral closed, profiled angular frame, hot-dipped galvanized steel, with screwed guide rail. Lateral rubbing stripe with sealing lip.

**Manual operation:**

- Handle inside / footboard outside including rope)
- Manual chain hoist

**Locking:**

- 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**

- Torsion springs with lateral load-bearing cables, galvanized and shot blasted.

**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  
 HLLUD: 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

**Required space:**

|  |              |
|--|--------------|
| Lateral stops:<br>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-fitting       | 470 – 550 mm             |
| NSH/NSD-fitting  | mind. 310 mm             |
| HL(U/D)-fittings | notice headroom          |
| VL(U)-fittings   | door height x 2 + 500 mm |

**Drive:**

- Shaft 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 with "soft"-start and "soft" stop
- Direct drive as springless door without weight compensation, three-phase voltage 400 Volt 3~Ph, 50 Hz, 60% ED, protection class IP 65, with emergency hand crank, TÜV approved, safety device integrated

**Control:**

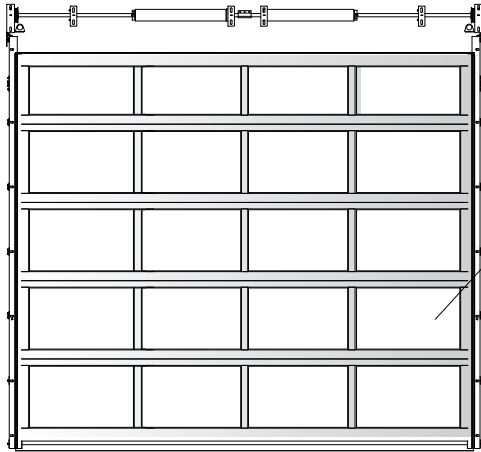
- For shaft and chain drives, ready to plug pre-wired and with CEE-plug. In the basic usage noticed as Deadman-Control. Function without closing edge safety voltage 24V safety extra low voltage, protection class IP 65, push buttons open-stop-close.
- Pulse control (automatic mode "close") in connection 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

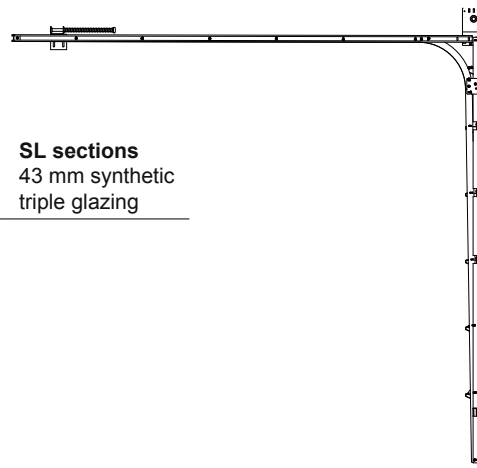
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SL 80 (exterior view)

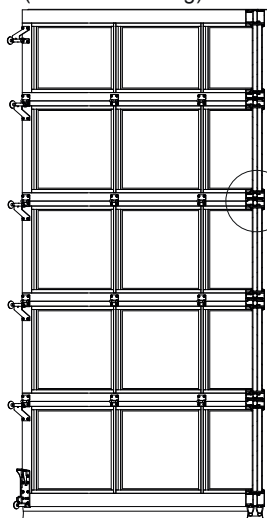


normal-fitting **N**



SL sections  
43 mm synthetic  
triple glazing

Profile door leaf  
(sectional drawing)



triple glazing

