

# Sectional door SW 80

Made of steel door panels, double skinned



## 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, double skinned, PUR foam core, in thermally separated construction. Building depth 80 mm. Outside unribbed, microprofiled, inner side stucco design. Colour similar RAL 9002 (Grey white). Sections with centre seal. Double upper header and floor seal. Seals 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 SW 80" or equivalent.		
		Clearance dimensions: _____ mm width x _____ mm height Fitting: Headroom: _____ mm Lateral buffer: _____ mm right hand, _____ mm left hand Wicket door: _____ with / _____ without Control: _____ Manual operation / _____ E-Drive with _____ Deadman- / _____ Pulse control		

## Technical data

### Sectional door SW 80

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

- Heat insulation  
EN 13241-1, attachment B EN 12428:  
· U = 0.27 W/m<sup>2</sup>K (Panel 80 mm)  
· U = 0.59 W/m<sup>2</sup>K (complete door<sup>1)</sup> without wicket door)  
<sup>1)</sup> With a door size of 25 m<sup>2</sup>
- Resistance to wind load  
(Classification in acc. with EN 12424, test in acc. EN 12444):  
· Class 2 (max. 450 Pa)  
· Class 3 (max. 700 Pa)  
(up to a 6.500 mm door width optionally)
- Resistance to water penetration  
(classification as per EN 12425, test in acc. EN 12489):  
· Class 3
- Air permeability  
(classification as per EN 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> = 23 dB

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

**Size range:** Width: 2000 – 8000 mm; Height: 1875 – 6000 mm  
(Further dimensions on request)

- Door leaf:**
- Door leaf thermal divided  
Consisting of individual door sections, galvanized sheet steel; Building depth: 80 mm  
Isolaten: Polyurethane foam core
  - Surface protection:  
Coil coating, two-layer outside (Acrylat-Basis ~ 25 µm), with strippable protective film; inner side one layer (Polyesterbasis ~ 10 µm). Standard colour similar to RAL 9002 grey white
  - Surface:  
Panels horizontally ribbed **outside** and with stucco design; or unribbed, microprofiled.  
**Inside** always with stucco design.
  - Seals:  
Floor- and header seals as double seal, panel with centre seal. All seals in EPDM-Quality.
  - Door leaf fittings:  
Screwed hinges, galvanized steel (linked the single sections)  
lateral roller guide with adjustable ball bearing rollers
  - Glazing (optionally):  
Glazed strip as separate section made of aluminium profiles with thermal separation, surface anodised in E6/EV1, standarty infilled with 43 mm KS triple glazing colourless, retaining ledge aluminium anodized in E6/EV1 with seal.  
Other infills with scratch-resistant glazing, etc.
  - Sandwich composite window filled with KS double glazing, colourless, profile edging synthetic black.

**Frame:**

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

**Manual operation:**

- Handle inside 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.

**Beschläge:**

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  
HLUD: 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:	
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- fittings	400 - 500 mm
ND- fittings	470 - 550 mm
NSH/NSD- fittings	min. 310 mm
HL(U/D)- fittings	notice headroom
VL(U)-fittings	door height x 2 + 500 mm

**Drives:**

- 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.

**Control:**

- 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 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

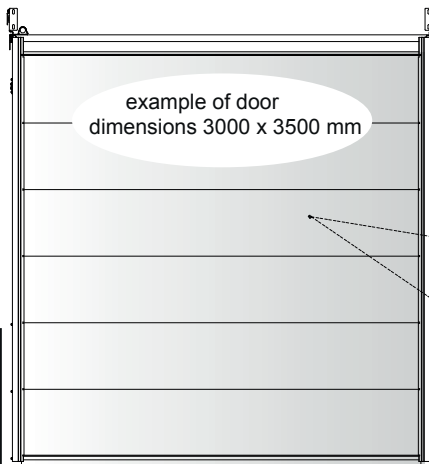
**Special-equipment:**

- Casing, fixed panels matching door, stop rail; special RAL-colours

# Sectional door SW 80

Made of steel door panels, double skinned

SW 80 (exterior view)



normal-fitting **N**

### Surface texture

microprofiled



stucco design



### Versions

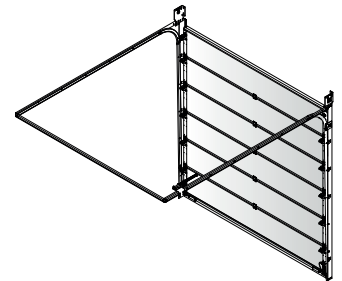


ribbed

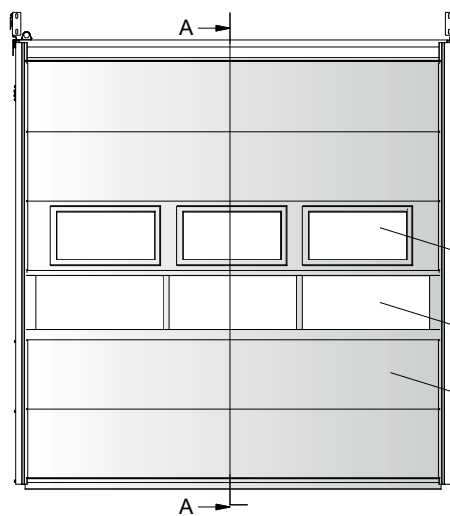


unribbed

Outside:  
Ribbed version in stucco design  
surface texture available.  
Unribbed version  
available in micro-profiled  
surface texture.

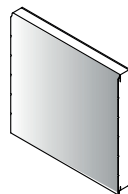


SW 80 with glazing (optionally)



**triple glazing**  
angular 770 x 430 mm

**SL sections**  
43 mm synthetic double glazing



A-A

