

# Sectional Door Double-Skinned Type SW 80

## “Teckentrup”



### Text example

Compile and tender according to requirements.  
Please refer to Technical Data below for respective details.  
Updated 01.01.2011



Position	No. of pieces	Item	Unit price €	Total price €
		Sectional door SW 80, door leaf consists of individual, double-skinned galvanized sheet steel door sections, building depth of the sections = 80 mm. Polyurethane (PU) foam core. Thermally separated sections. Grey white, similar to RAL 9002. Floor seal (x2), header and central seal in EPDM quality. Outer surface micro-profiled unribbed, inner surface stucco design (alternatively outer surface ribbed and stucco design). Laterally closed, 2-sided angular frame, with screwed on runner rails and double side seal. Made of galvanized steel, including lateral guards. Heat insulation $U_D = 0.58 \text{ W/m}^2\text{K}$ (for installed door $25\text{m}^2$ door surface). "Teckentrup" or equivalent.		
		Ordering dimensions: Clearance dimensions: ___mm width and ___mm height are = clearance dimensions Ordering details: Headroom: ___mm lateral buffer right ___mm, left ___mm (For clearance, refer to special equipment)		

### Technical Data

**Product:** Sectional door SW 80  
Performance values in accordance with the new door product standard EN 13241-1

- Heat insulation  $U_D$  value (test in accordance with EN ISO 12567-1):  
 $U_D = 0.58 \text{ W/m}^2\text{K}$  (for installed door  $25\text{m}^2$  door surface).  
 $U_D = 0.27 \text{ W/m}^2\text{K}$  (panel)
- Sound insulation: (ISO 717-1)  $R_w = 23 \text{ dB}$
- Wind load (test in accordance with EN 12444, classification in accordance with EN 12424):  
up to width of 10000 mm: Class 2\*  
up to width of 8000 mm: Class 3\*\*  
up to width of 5500 mm: Class 4\*  
\* Standard / \*\* On request
- Resistance to water penetration (test in accordance with EN 12489, Classification in accordance with EN 12425): up to class 3
- Reaction to fire (DIN EN 4102): door leaf element material class B2 (normally inflammable)

**Installation in:**

- Masonry
- Autoclaved aerated concrete construction
- Concrete
- Steel

**Dimensions:** Modular dimensions  
width: 2250 – 10000 mm; height: 1875 – 8000 mm (other dimensions on request)

**Door leaf:** Door leaf consisting of individual, double-skinned galvanized sheet steel door sections, building depth: 80 mm  
Insulation: polyurethane foam core

Surface:

- Outer surface micro-profiled Unribbed, inner surface stucco design, alternatively outer surface ribbed and stucco design  
Perfect sealing due to:
- header and central seal in EPDM quality and floor seal (x2)

Fittings:

- Screwed hinges, galvanized (connect the individual sections)
- Lateral roller guide with adjustable ball bearing rollers (door positioned horizontally in space via runner rail curves)

**Frame:** Profile frame, hot-dip galvanized. Skirting board with double side seal on both sides in APTK quality

**Manual operation:**

- Via external and internal handles
- Bowden cable
- Sliding bolt

Special equipment:

- 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

**Locking:** Additional locking of electrically operated doors:

- From the inside with electrically operated sliding bolts (night-time locking)

**Weight compensation:** Torsion spring shaft with lateral load-bearing cables

**Surface protection:** Baked enamel finish, double coat on the outside (acrylate-based 25  $\mu\text{m}$ ), with removable protective film; single coat on the inside (polyester-based 10  $\mu\text{m}$ ).  
Standard colour similar to RAL 9002 (grey white)  
Steel parts galvanized  
Torsion springs galvanized and shot-blasted

Glazing frame in aluminium E 6/EV 1 anodized  
Glazing strips hard PVC (black)  
Special equipment:  
Additional basic coating in RAL colours (factory coated)  
Glazing frame powder-coated in RAL colours

**Fitting:**

N: Normal fitting  
ND: Normal fitting with roof incline  
HL: High lift runner rail fitting  
HLU: High lift runner rail fitting with bottom torsion spring shaft  
HLD: High lift runner rail fitting with roof incline  
HLUD: High lift runner rail fitting with roof incline and bottom torsion spring shaft  
NSH: Low headroom fitting with rear spring shaft  
NSD: Low headroom fitting with roof incline  
VL: Vertical fitting  
VLU: Vertical fitting with bottom torsion spring shaft

Door dimensions with door width  $\leq 6000 \text{ mm}$  and door height  $\leq 5000 \text{ mm}$  with a torsion spring shaft  
Door dimensions with door width up to 10000 mm or door height up to 8000 mm with a direct drive system

**Special equipment:** NS = Low headroom fitting  
HL = High lift runner rails  
VL = Vertically guided runner rails

The fittings N, NS and HL are also possible with roof incline.

Required space:

- Lateral buffers:  
for manual operation on both sides min. 110 mm  
for geared chain at geared chain side min. 185 mm  
for shaft drive at drive side min. 210 mm  
for chain drive at drive side min. 150 mm

	Required space at the side	Required space geared chain	Required space shaft drive	Required space chain drive
NSH / NSD /	120 mm	185 mm	210 mm	150 mm

Required space for doors with a direct drive system

Lateral buffers: drive side (direct drive system) = 300 mm  
bearing side = 150 mm

Headroom for doors with a direct drive system

- Headroom for N fitting:  
up to door height  $\leq 3600 \text{ mm}$  min. 400 mm  
 $\geq 3601 - \leq 5500 \text{ mm}$  min. 450 mm  
 $\geq 5501 - \leq 7500 \text{ mm}$  min. 500 mm

Headroom for doors with a direct drive system:

- Headroom for N fitting: 600 – 700 mm (size dependent)
- Headroom for NSH fitting:  
min. 310 mm (290 mm on request)  
(not available for doors with a direct drive system)

for HL fitting always specify the headroom  
for VL min. headroom = 2 x door height + 500 mm

**Drives:**

- Manual chain hoist (geared chain)
- Electric drive as shaft or chain drive, 3 x 230 V or 400 V, 50 Hz, power: 0.37 kW/0.42 kW, IP 44 rating
- Electric drive, rail-guided, 230 V, 50 Hz
- Control: deadman, pulse with self-monitoring test
- Other controls possible

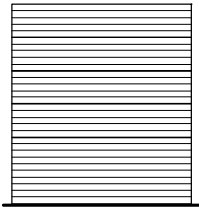
**Glazing:**

- Sandwich glazing type SW 80, triple glazing, black plastic, rectangular. Dimensions: 829 x 407 mm (w x h)

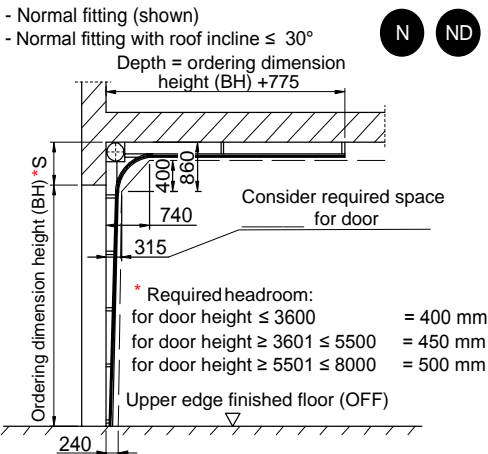
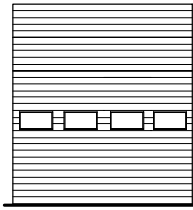
# Sectional Door Double-Skinned Type SW 80 "Teckentrup"



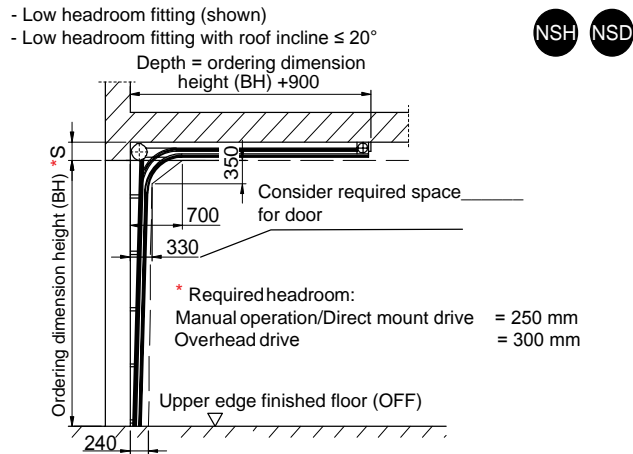
SW 80 door



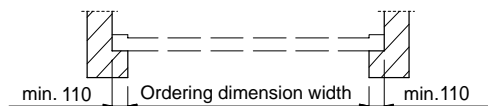
SW 80 door with glazing



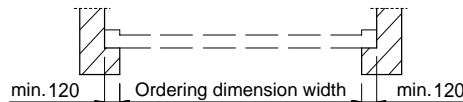
N ND



NSH NSD

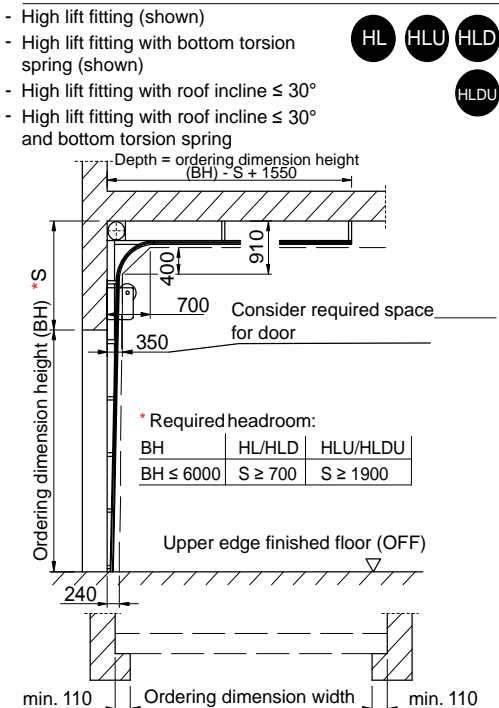


Type	Manual operation	Geared chain	Direct mount drive	Chain drive
N/ND	110/110	110/185	110/210	110/150



Type	Manual operation	Geared chain	Direct mount drive	Chain drive	Overhead drive
NSH/NSD Internal drive	120/120	120/120	120/120	120/120	120/120*
NSH/NSD External drive	120/120	120/185	120/210	120/150	120/120*

\* not possible for NSD overhead drive



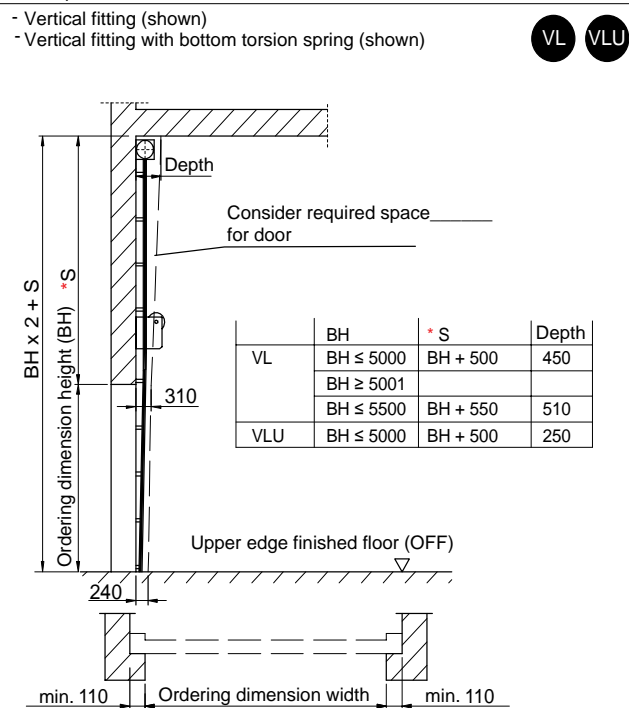
HL HLU HLD

HLDU

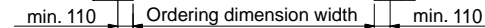
min. 110 Ordering dimension width min. 110

Required space for system without spring after technical consultation

Type	Manual operation	Geared chain	Direct mount drive	Chain drive
HL/HLD	110/110	110/185	110/210	110/150
HLU/HLDU	120/120	120/160	120/195	120/135



VL VLU



Type	Manual operation	Geared chain	Direct mount drive	Chain drive	Axial chain
VL	110/110	110/185	110/210	110/150	110/165
VLU	90/90	90/160	90/195	90/135	90/150

Dimensions are only valid for the shown versions. The required space is different for a roof incline.