

Sectional Door Aluminium Frame Construction Type SL

“Teckentrup“

optionally with wicket door



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 in frame construction made of aluminium hollow profiles with finger pinch protection. Building depth 40 mm, E 6/EV 1 anodized floor section with 16 mm sandwich plates, aluminium stucco design on both sides. Insulation PUR rigid foam core, other sections with 16 mm plexi-glass panes. Special lock with automatically locking catches. Round handle set with profile cylinder. Sections with centre seal. EPDM header seal and floor seal and lateral protective strip. Screwed hinges made of galvanized steel, lateral roller guide with adjustable ball bearing rollers. Weight compensation via torsion spring shaft with lateral load bearing cables. "Teckentrup" or equivalent.		
		Ordering dimensions: Clearance dimensions: ___mm wide und ___mm high are = clear opening dimensions Ordering details: Headroom: ___mm Lateral right-hand buffer ___mm, left-hand buffer ___mm (for clearance refer to special equipment) With/without wicket door		



Technical data

Product: **Sectional door SL**
(frame construction made of aluminium hollow profiles, cold profile Al mg SI 0.5)
Performance values in acc. with the new door product standard EN 13241-1
Heat insulation U-value (test in acc. with EN ISO 12567-1):
U = 5.5 W/m²k (only door leaf without wicket door)
U = approx. 6.0 W/m²k (only door leaf with wicket door)
Air permeability (test in acc. with EN 12427, classification in acc. with EN 12426):
Class 3 (without wicket door)
Class 3 (with wicket door and single locking mechanism)
Class 3 (with wicket door and multiple locking mechanism)
Resistance to wind load (test in acc. with EN 12444, classification in acc. with EN 12424):
Class 3 (max. 700 N/m²) (without wicket door)
Class 3 (max. 700 N/m²) (with wicket door and single locking mechanism)
Class 3 (max. 700 N/m²) (with wicket door and multiple locking mechanism)
Resistance to water penetration (test in acc. with EN 12489, classification in acc. with EN 12425):
Class 2/3*¹ (without wicket door)
Class 1/3*¹ (with wicket door)
*¹ Can only be achieved with special bottom profiles.

Installation in:

- Masonry
- Concrete
- Autoclaved aerated concrete
- Steel construction

Dimensions: Modular dimensions
Width: 2250 – 8000 mm; Height: 1875 – 6000 mm
(other dimensions on request)

Door leaf: Door leaf consisting of individual door sections, from 300 to 750 mm high
Frame construction made of aluminium hollow profiles (cold profile)
Building depth: 40 mm

Surface:

- Anodized in acc. with DIN 17611 E 6/EV 1 including centre seal
- Sealed door edge due to EPDM header seal and floor seal

Fittings:

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

Frame: Profile frame, hot-dip galvanized. Protective strip with EPDM sealing lip, on both sides

Manual operation:

- Via external and internal handles
- Cable

Special equipment:

- 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: Aluminium hollow profiles anodized in acc. with DIN 17611 E 6/EV 1
Steel parts galvanized
Torsion springs galvanized and shot-blasted
Glazing frame in aluminium E 6/EV 1 anodized
Glass strips in E 6/EV 1 or unplasticized PVC (black)
Special equipment:
Anodized in other colours
Powder coated in RAL colours

Fitting:

N: Normal fitting
ND: Normal fitting which follows the shape of the roof
HL: High lift runner rail fitting
HLU: High lift runner rail fitting with bottom torsion spring shaft
HLD: High lift runner rail fitting which follows the shape of the roof
NSH: Low headroom fitting with rear spring shaft
NSD: Low headroom fitting which follows the shape of the roof
VL: Vertical fitting
VLU: Vertical fitting with lower torsion spring shaft

Special equipment: NSV = Low headroom fitting
also available as roof incline fitting.

Required space:

- Lateral buffers:

for manual operation on both sides	min. 110 mm
for geared chain on geared chain side	min. 185 mm
for direct mount drive on drive side.	min. 210 mm
for chain drive on drive side.	min. 150 mm
for axial chain	min. 165 mm

	Required side space	Required space geared chain	Required space direct mount drive	Required space chain drive	Required space axial chain
NSH / NSD / NSV	120 mm	185 mm	210 mm	150 mm	165 mm

- Headroom:

for N fitting	3000 mm min. 400 mm
up to door height	3010 – 5500 mm min. 450 mm
	5510 -7500 mm min. 500 mm

for NS fitting
up to door width 4500 mm min. 250 mm
above door width 4500 mm min. 320 mm

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

Headroom different for fitting with roof incline

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, degree of protection IP 44
- Electric drive, rail-guided, 230 V, 50 Hz
- Control: Deadman, impulse with self-monitoring test
- Other controls possible

Door leaf filling:

- Floor section with TP sandwich plates 16 mm thick, aluminium, stucco design on both sides, insulation as rigid foam, aluminium natural colour EV 1
- Other sections with extruded SAN glass, transparent, 16 mm thick

Special equipment:
SAN double glazing, transparent, 16 mm thick
Plexi-double bar plates 16 mm thick
Infills are fixed with interior glazing strips between the aluminium frame profiles.

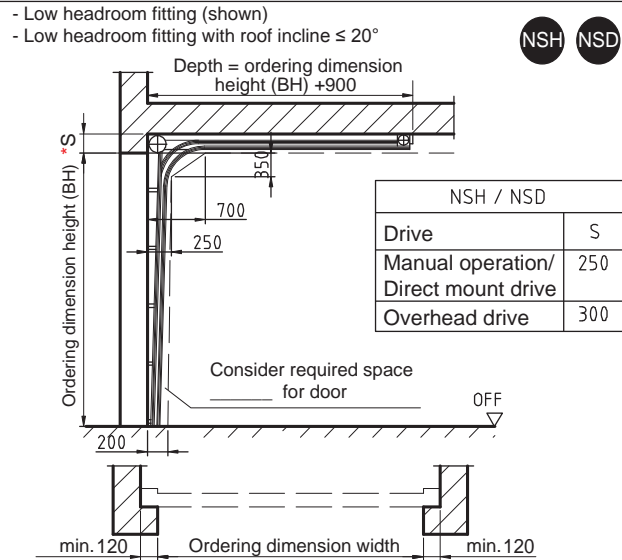
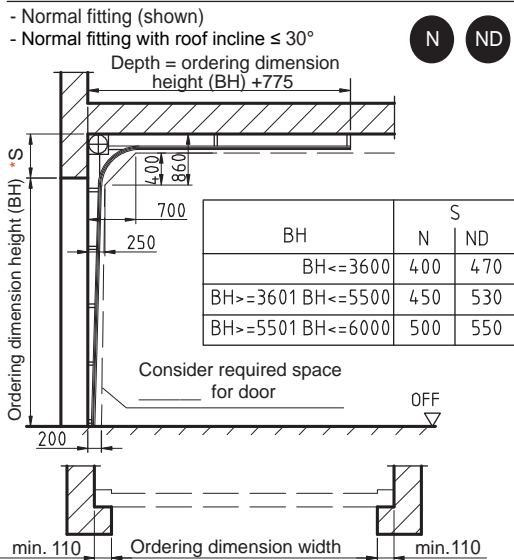
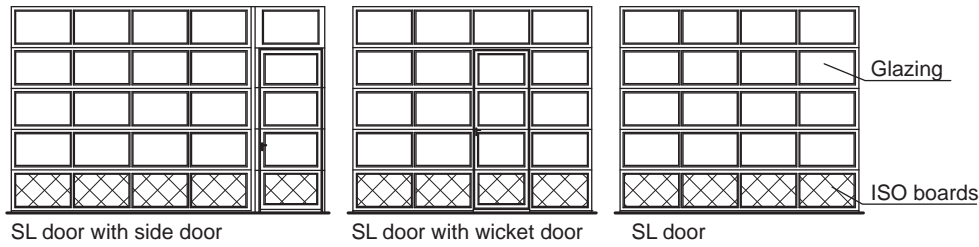
Wicket door: Installation of door width 2250 – 6000 mm

- With upper slide rails-door closer
- Latch and bolt lock with lever/knob, panic lock, with profile cylinder
- Handle on both sides, or knob handle set
- Special equipment:
Casing, fixed panels to match the door, side door with upper casing, stop rail; ventilation grille;
Special colours in acc. with RAL

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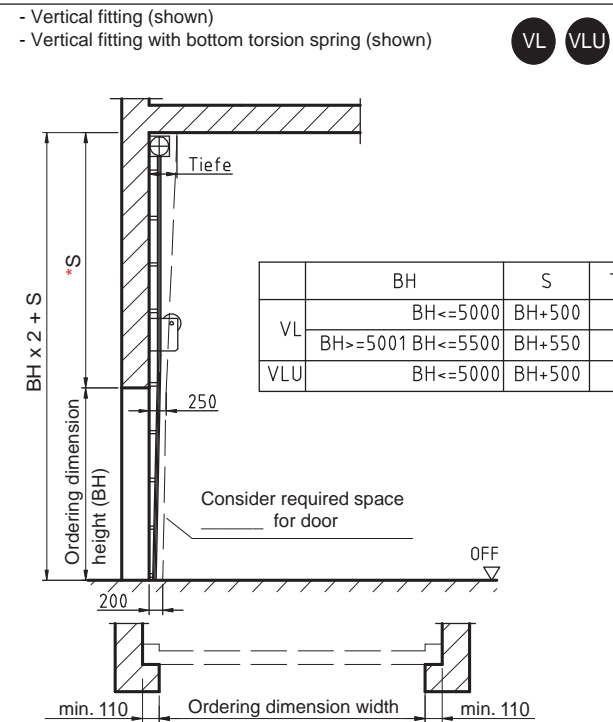
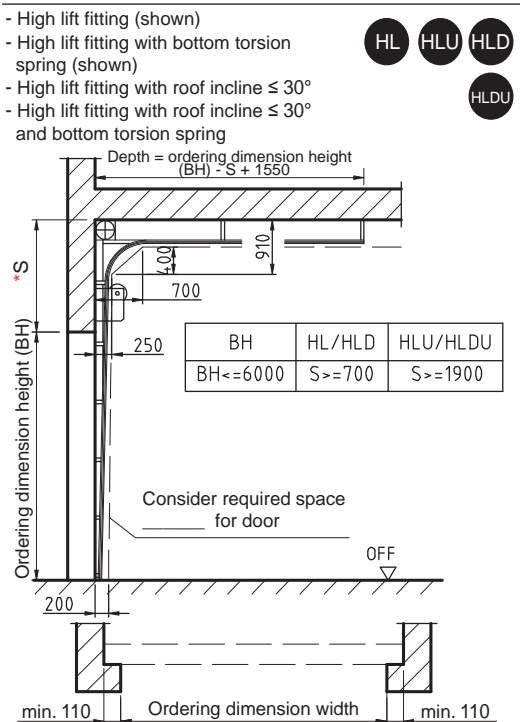
optionally with wicket door



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



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

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.