

Sectional door SLW 40

Aluminium profile frame structure, bottom section made of steel door panels, optionally with wicket door



Text example

Compile and tender according to requirements.
Please refer to technical data below for respective details.
Updated 1st June 2015

Position	No. of pieces	Item	Unit price €	Total price €
		Sectional door double-skinned, bottom section with PUR foam core. Outer side without rib microprofiled, inner side stucco design. Colour similar to RAL 9002 (Grey white). Building depth 40 mm. The other sections made of aluminium frame construction, surface anodised in E6/EV1, infilled with 20mm KS double panels. Sections with centre seal. Header-, floor- and centre 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 SLW 40" or equivalent.		
		Clearance dimensions: _____mm height x _____mm width 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 SLW 40

Performance data: Equivalent with product standard EN 13241-1

- Heat insulation
EN 13241-1, attachment B EN 12428:
· U = 3.1 W/m²K (door¹) without wicket door²)
· U = 3.5 W/m²K (door¹) with wicket door²)
Optionally:
· U = 2.4 W/m²K (door¹) a five chamber multi-skin sheet)
· U = 2.9 W/m²K (door¹) with KS triple glazing)
¹) with a door size of 25 m²
²) with double glazing
- Resistance to wind load
(Classification as per EN 12424, test in acc. EN 12444):
· Class 2 (max. Pa) (without / with wicket door)
- Resistance to water penetration
(classification as per EN 12425, test in acc. EN 12489):
· Class 2/3*¹ (without wicket door)
· Class 1/3*¹ (with wicket door)
^{*1} Can only be achieved with special bottom profiles.
- Air permeability
(classification as per 12426, test in acc. EN 12427):
· Class 3 (without / with wicket door)
- Reaction to fire (DIN EN 4102):
· Door leaf element material class B2 (normally inflammable)
- Sound reduction index acc. to ISO 140-3, acc. to EN1717-1
· R_w = 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 / bottom section:
Consisting of one SW 40 door section, galvanized sheet steel; building depth: 40 mm
Insulation: Polyurethane foam core
 - Surface protection:
Coil coating, two-layer outside (Acrylate-based ~ 25 µm), with strippable protective film; inner side one layer (Polyester-based ~ 10 µm). Standard colour similar to RAL 9002 Grey white
 - Surface:
Panels horizontally ribbed **outside**, stucco textured or microprofiled or unribbed, microprofiled
Inside always stucco textured
 - 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
 - Door leaf / above the bottom section
Glazed strip as separate section made of aluminium profiles, cold profile without thermal separation AL-MG-SI 0,5, surface anodised in E6/EV1, standardly infilled with 20 mm KS-double glazing colourless, retaining ledge KS-black with seal.
Other infills with triple glazing, 5 chamber multi-skin sheet, etc.

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

Weight compensation:

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

- Locking:**
- 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. on the inside
Additional locking of electrically operated doors:
 - From the inside with electrically operated sliding bolts (night-time locking)

- Fitting:**
- 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-fitting 400 - 500 mm
ND-fitting 470 - 550 mm
NSH/NSD-fitting min. 270 mm
NSH/NSD-fitting with wicket door min. 300 mm
HL(U/D)-fittings notice headroom
VL(U)-fittings door height x 2 + 500 mm

- Drives:**
- Shaft drive, chain drive, three-phase voltage 400V, 3~Ph, 50 Hz, 60% ED, protection class IP 65, with emergency hand crank, TÜV approved
 - Shaft drive with alternating voltage 230 V, 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 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 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

- Wicket door:**
- Installation of door width 2501 - 6000 mm
 - Overhead door closer with slide without locking unit
 - mortice lock, prepared for PC (30.5/30.5)
 - Lever/Lever made of aluminium (F1)
 - Profile edging made of aluminium E6/EV1
 - Further locks, sets, coatings, etc. -optionally

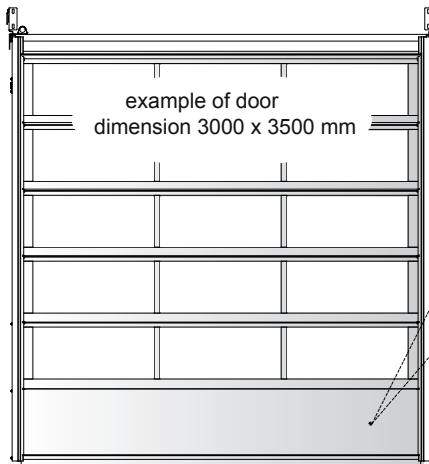
Special-equipment: Casing, fixed panels matching door, side door N53 with upper casing, stop rail, ventilation grille, special RAL-colours

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Aluminium profile frame structure, bottom section made of steel door panels, optionally with wicket door

SLW 40 (exterior view) Bottom section 625 mm

normal-fitting **N**



Surface texture

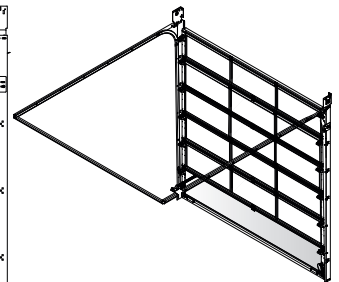
microprofiled

stucco design

Versions

ribbed

unribbed

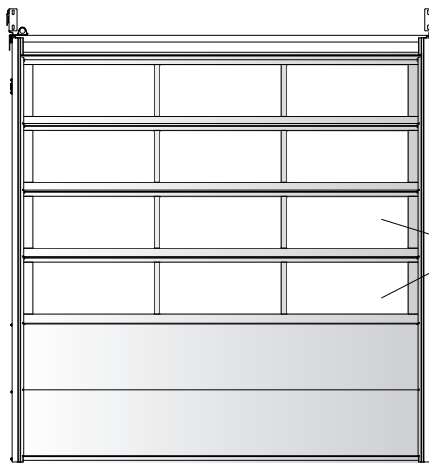


Ribbed version in micro-profiled and stucco design surface texture (outside) available. Unribbed version available in micro-profiled surface texture.

Special surface texture in smooth or woodgrain available

SLW 40 (exterior view) Bottom section 1250 mm

normal-fitting **N**

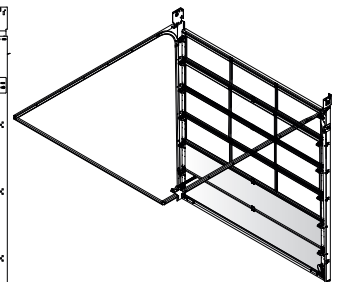


SL-Sections

20 mm synthetic double glazing

Possible infills:

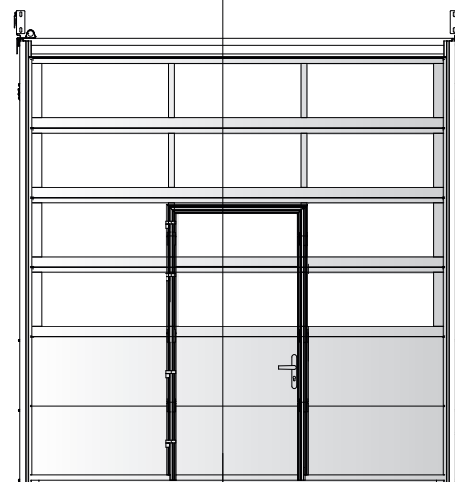
(perforated sheet, expanded grille, 5 chamber multi-skin sheet, ...) see the overview drawing SL 40 on page 13



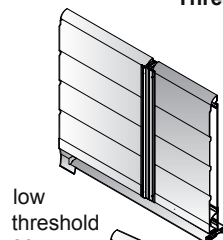
SLW 40 with wicket door (optionally)

A →

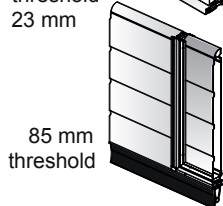
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Threshold types



low threshold 23 mm



85 mm threshold

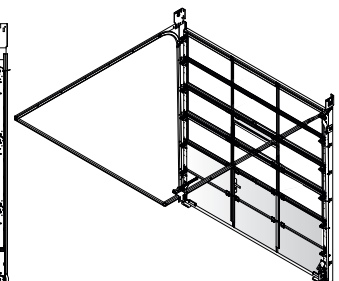
200 mm threshold



up to a door width 5000 mm



> door width 5000 mm



Threshold shapes

Standard equipment for all wicket doors includes:
Overhead door closer with slide rail, without locking unit, mortice lock- prepared for a profil cylinder (PC=30.5/30.5).
Wicket door opening outwards, frame profiles in aluminium E6/EV1