



## Sectional door SW 40

Made of steel door panels, double skinned, optionally with SL-Sections, glazing, wicket door

### Text example:

Sectional door double-skinned PUR foam core. Building depth 40 mm. Outer side without rib microprofiled, inner side stucco design. Colour similar to RAL 9002 (Grey white). Sections with centre seal. Upper header seal, floor seal 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 SW 40" or equivalent.

Compile and tender according to requirements. Please refer to technical data below for respective details. Updated 01.05.2023

### Technical data

<b>Product</b>	<b>Sectional door SW 40 (materialgroup MA)</b>		<b>Locking</b>	<ul style="list-style-type: none"> <li>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)</li> <li>Sliding bolt (on one side) including rope, incl. handle on the inside.</li> <li>Additional locking of electrically operated doors: from the inside with electrically operated sliding bolts (night-time locking)</li> </ul>
<b>Performance data</b>	equivalent with product standard EN 13241-1 <b>Heat insulation SW 40:</b> EN 13241-1, attachment B EN 12428: - Panel 40 mm U = 0,56 W/(m <sup>2</sup> K) - Complete door <sup>1)</sup> without wicket door U = 1,2 W/(m <sup>2</sup> K) - with wicket door U = 1,4 W/(m <sup>2</sup> K) <b>Heat insulation SW 40 with SL-Section:</b> - Door <sup>1)</sup> without wicket door with double glazing U = 3,1 W/(m <sup>2</sup> K) - Door <sup>1)</sup> with wicket door with double glazing U = 3,5 W/(m <sup>2</sup> K) optional: - Door <sup>1)</sup> 6 chamber multi-skin sheet U = 1,8 W/(m <sup>2</sup> K) - Door <sup>1)</sup> with KS-3-glazing U = 2,9 W/(m <sup>2</sup> K) <sup>1)</sup> With a door size of 25 m <sup>2</sup> <b>Resistance to wind load:</b> Classification in acc. with EN 12424, test in acc. EN 12444: - Door without / with wicket door Class 2 (max. Pa) - Door without wicket door Class 3 (max. Pa) (> 5000 up to a 6.500 mm door width optional (see page 29)) WLC 3 for doors without wicket door and without SL section up to door width 5 metres standard! <b>Resistance to water penetration:</b> classification in acc. with EN 12425, test in acc. EN 12489: - Door without wicket door Class 2/3 <sup>1)</sup> - Door with wicket door Class 1/3 <sup>1)</sup> <sup>1)</sup> only with on-site water return to the outside. <b>Air permeability:</b> (Classification in acc. with EN 12426, test in acc. EN 12427): - Door without / with wicket door Class 3 <b>Reaction to fire (DIN EN 4102):</b> - Door leaf element material class B2 (normally inflammable) <b>Sound reduction</b> index acc. to 140-3, acc. to EN717-1 Rw = 24 dB		<b>Required space</b>	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
<b>Installation</b>	Masonry, Concrete, Steel construction		<b>Drives</b>	<ul style="list-style-type: none"> <li>Shaft drive, chain drive, three-phase voltage 400V 3~Ph, 50 Hz, 20 cycles* per hour, protection class IP 65, with emergency hand crank, TÜV approved</li> <li>Shaft drive with alternating voltage 230 Volt 1~Ph, 50 Hz, 20 cycles* per hour, protection cl. IP 65, with emergency hand crank, TÜV approved, combined with a frequency converter control with "soft"-start and "soft" stop</li> <li>Direct drive as springless door without weight compensation, three-phase voltage 400V 3~Ph, 50Hz, 20 cycles* per hour, protection class IP 65, with emergency hand crank, TÜV approved, safety device integrated</li> </ul> * A cycle is a complete closing and opening operation of the door.
<b>Size range</b>	Width: 2.000 - 8.000 mm; Height: 1.875 - 6.000 mm (Further dimensions on request)		<b>Control</b>	<ul style="list-style-type: none"> <li>For shaft and chain drives, ready to plug prewired 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.</li> <li>Pulse control (automatic mode "close") in connection with closing edge safety device</li> <li>Radio remote control</li> <li>Automatic closing in combination with traffic lights</li> <li>Traffic control</li> </ul>
<b>Door leaf</b>	<ul style="list-style-type: none"> <li>Consisting of individual door sections, galvanized sheet steel; building depth: 40 mm. Insulation: Polyurethane foam core</li> <li>Optic: <b>ribbed   centre ribbed   unribbed</b></li> <li>Surface protection: Coil coating, two-layer outside (acrylat base ~ 25 µm), with strippable protective film; inner side one layer (polyester base ~ 10 µm). Standard colour similar to RAL 9002 Grey white.</li> <li>Surface: Panels horizontally ribbed outside, stucco textured or microprofiled or unribbed microprofiled, <b>inside</b> always stucco textured.</li> <li>Seals: Floor-, header- and centre seal in EPDM-quality.</li> <li>Door leaf fittings: Screwed hinges, galvanized steel (links the single sections) lateral roller guide with adjustable ball bearing rollers.</li> </ul>		<b>Drives</b>	<ul style="list-style-type: none"> <li><b>door operator DRIVE 1100   1100<sup>pro+</sup>   1100<sup>tiga+</sup></b></li> <li>Nominal Voltage 230V AC</li> <li>Control voltage 24V DC</li> <li>only for Normal (N) and Low headroom (NSH)- fitting</li> <li>Max. tractive and compressive force 1100 N Max. permissible door leaf weight 260kg Max. door width x door height = 6.500 x 3.000 mm</li> <li>A detailed description of the drives and controls + a large selection of accessories (e.g. hand-held transmitter, radio code button, radio receiver, wall button, etc.) can be found in our current price list.</li> </ul>
<b>Frame</b>	Lateral closed, profiled angular frame, hot-dipped galvanized steel, with screwed guide rail. Lateral rubbing stripe with sealing lip.		<b>Wicket door</b>	Installation of door width 2.501 – 6.000 mm <ul style="list-style-type: none"> <li>Overhead door closer with slide without locking unit</li> <li>Mortice lock, prepared for PC (30.5/30.5)</li> <li>Lever/lever made of aluminium (F1)</li> <li>Profile edging made of aluminium E6/EV1</li> <li>Further locks, sets, coatings, etc. -optionally</li> </ul>
<b>Manual operation</b>	<ul style="list-style-type: none"> <li>Handle inside including rope</li> <li>Handle inside / footboard outside including rope</li> <li>Manual chain hoist</li> </ul>		<b>Special equipment</b>	Casing, fixed panels matching door, side door N53 with upper casing, stop rail, ventilation grille, special RAL-colours.
<b>Weight compensation</b>	Torsion springs with lateral load-bearing cables galvanized and shot blasted.			



# Sectional door SW 40

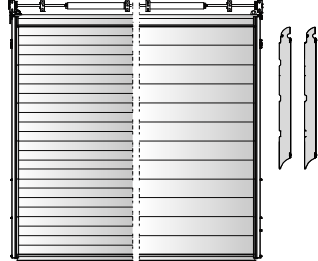
Made of steel door panels, double skinned, optionally with SL-Sections, glazing, wicket door



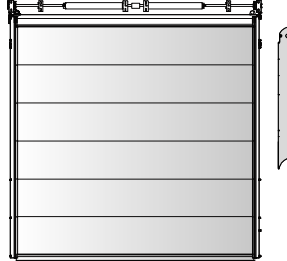
**Standard equipment SW 40** (exterior view: example of door dimensions 3000 x 3500 mm)

Optic **ribbed, centre ribbed** Surface (**outside**): woodgrain | stucco | smooth | micro-profiled  
 Optic **unribbed** Surface (**outside**): woodgrain | stucco | smooth | micro-profiled

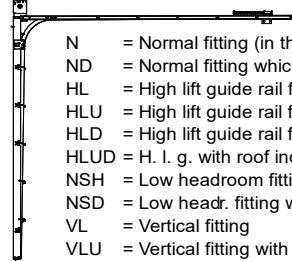
**ribbed | centre ribbed**



**unribbed**

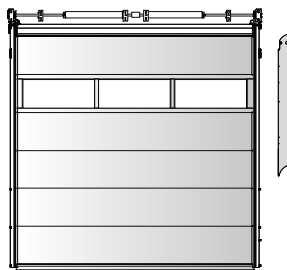
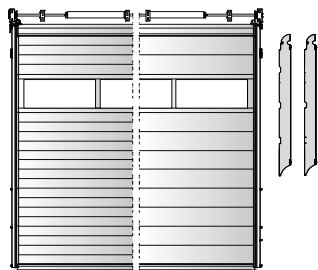


**Normal-fitting**



- 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 = H. l. g. 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

**SW 40 with glazing** (Ill. 20 mm synthetic-double glazing)



**Glazing** (optional):

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  
 SL section in E6/EV1 including infill with 20 mm synthetic double glazing, clear  
 Further infills, e.g. synthetic glazing scratch-resistant, alu perforated sheet, expanded grille etc.

**Possible infills:**

Perforated sheet



Expanded grille



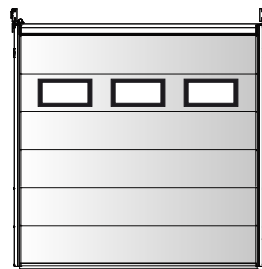
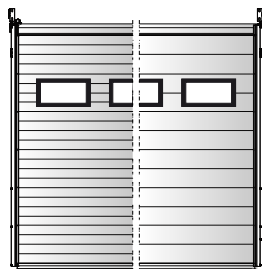
Double glazing 20 mm



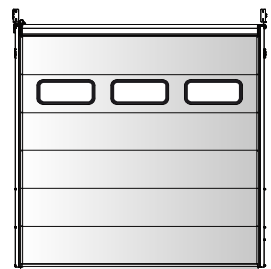
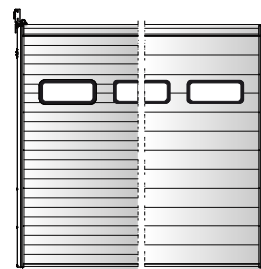
Triple glazing 20 mm



**Glazing Type A** angular 680 x 370 mm



**Glazing Type B** rounded 670 x 345 mm

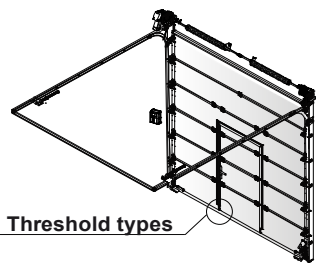
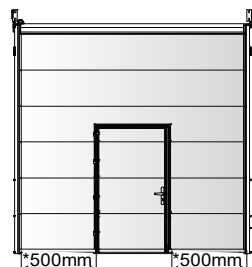


**Glazing** (optionally):

Sandwich composite window filled with double glazing 30 mm, colourless, profile edging synthetic black.

**SW 40 with wicket doors** (optionally)

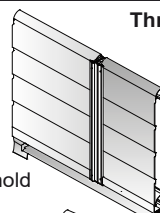
Standard equipment for all wicket doors includes:  
 Overhead door closer with slide rail, without locking unit, mortice lock- prepared for a profile cylinder (PC=30.5/30.5).  
 Wicket door opening outwards, frame profiles in aluminium E6/EV1



**Threshold types**

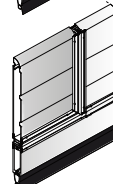
**Threshold types**

Low threshold 23 mm



200 mm threshold up to a door width 5000 mm

Threshold 85 mm



200 mm threshold > door width 5000 mm