



Sectional door SW 80

Steel door panels double skinned

Text example:

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 EP-DM-quality. Screwed hinges made of galvanised steel, lateral roller guide with adjustable ball bearing rollers. Lateral closed profiled angular frame, made of hot-dipped galvanised steel, with screwed rail. Weight compensation with torsion spring shaft with lateral load-bearing cables. "Teckentrup SW 80" or equivalent. Compile and tender according to requirements.

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

Technical Data

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| Product | Sectional door SW 80 (materialgroup ME) | |
| Performance data: | Equivalent with product standard EN 13241-1 <ul style="list-style-type: none"> ▪ Heat insulation: EN 13241-1, attachment B EN 12428: - Panel 80 mm U = 0,27 W/(m²K) - Complete door¹⁾ without wicket door U = 0,59 W/(m²K) ¹⁾ With a door size of 25 m² ▪ Resistance to wind load: Classification in acc. with EN 12424, test in acc. EN 12444: - Complete door Class 2 (max. 450 Pa) - Class 3 (max. 700 Pa) (up to a 8.000 mm door width optionally) ▪ Resistance to water penetration: Classification in acc. with EN 12425, test in acc. EN 12489: - Complete door Class 3 ▪ Air permeability: Classification in acc. with EN 12426, test in acc. EN 12427: Class 3 ▪ Reaction to fire (DIN EN 4102): - Door leaf element material B2 - (normally inflammable) ▪ Sound reduction index acc. to ISO 140-3, acc. to EN 717-1 Rw = 23 dB | |
| Installation | ▪ Masonry, Concrete, Steel construction | |
| Size range | Modular dimension: Width: 2.000 - 8.000 mm; Height: 1.875 - 6.000 mm (Further dimensions on request) | |
| Door leaf | <ul style="list-style-type: none"> ▪ Door leaf thermal divided Consisting of individual door sections, galvanised sheet steel; ▪ Building depth: 80 mm ▪ Insulation: Polyurethane foam core ▪ Optic: ribbed and unribbed ▪ Surface Protection: Coil coating, two-layer outside (acrylate base ~ 25 µm), with strippable protective film; inner side one layer (polyester basis ~ 10 µm). Standard colour similar to RAL 9002 grey white. Seals: Floor- and header seals as double seal, panel with centre seal. All seals in EPDM-quality. ▪ Door leaf fittings: Screwed hinges, galvanised 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, standardly 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 galvanised steel, with screwed guide rail. Lateral rubbing stripe with sealing lip. | |
| Manual operation | <ul style="list-style-type: none"> ▪ Handle inside including rope ▪ manual chain hoist (geared chain) | |
| Locking: | <ul style="list-style-type: none"> ▪ 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) | |
| Wight Compensation | ▪ Torsion springs with lateral load-bearing cables, galvanised and shot blasted. | |
| Fittings | <ul style="list-style-type: none"> ▪ 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 l. guide rail fitting with bottom torsion spring shaft ▪ HLD = High lift guide rail fitting which follows the shape of the roof ▪ HLU = 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 mind. 110 mm for manual operation (NSH/NSD) mind. 120 mm for geared chain mind. 185 mm for shaft drive mind. 210 mm for chain drive mind. 150 mm Headroom: N-fittings 400 - 500 mm ND-fittings 470 - 550 mm NSH/NSD-fittings mind. 310 mm HL(U/D)-fittings notice headroom VL(U)-fittings door height x 2 + 500 mm | |
| Drives | <ul style="list-style-type: none"> ▪ Shaft mount drive, chain drive, three-phase voltage 400 Volt, 3~Ph 50 Hz, 20 cycles* per hour, protection class IP 65, with emergency hand crank, TÜV approved. ▪ 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. ▪ Direct drive as springless door without weight compensation, three-phase voltage 400V, 3~Ph, 50 Hz, 20 cycles* per hour, protection cl. IP 65, with emergency hand crank, TÜV approved, safety device integrated. <p>* A cycle is a complete closing and opening operation of the door.</p> | |
| Control | <ul style="list-style-type: none"> ▪ 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 24 V 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 | |

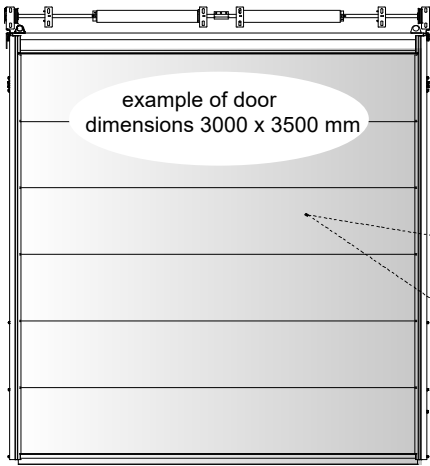
 **Sectional door SW 80**

Steel door panels double skinned



SW 80 (exterior view)

normal-fitting N



Surface texture

microprofiled



stucco design



Versions

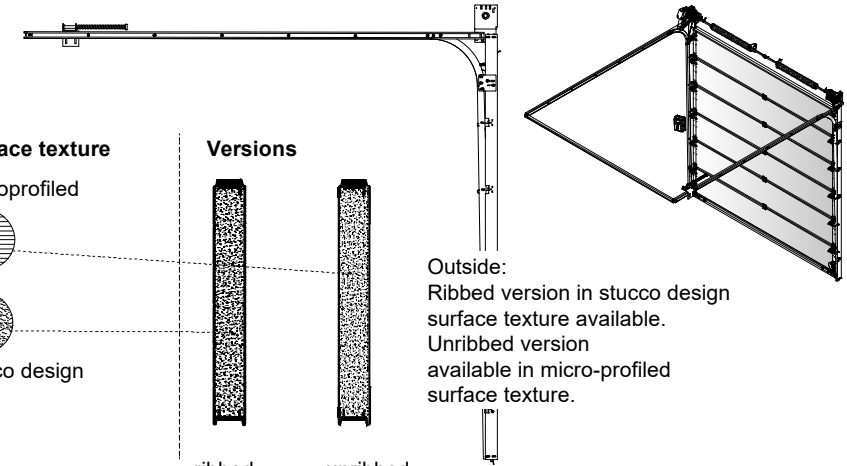


ribbed

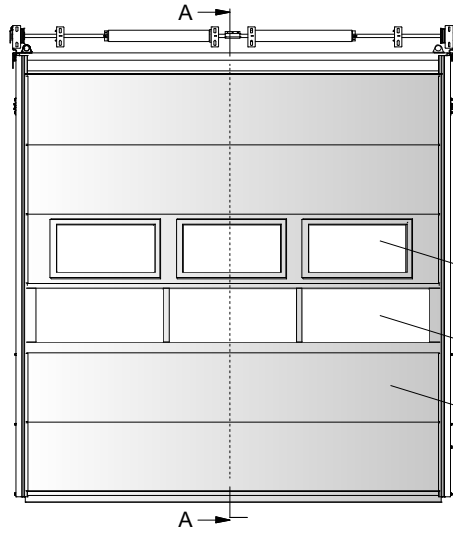


unribbed

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

