TECKENTRUP DOOR SOLUTIONS

Sectional door SLX 40

Aluminium frame construction with 20 mm synthetic double glazing, in scratch-resistant design

Text example:

Sectional door frame construction made of aluminium profiles, surface anodised in E6/EV1, standardly infilled with 20 mm KS-double glazing, scratch-resistant. Building depth 40 mm. Large glazed area without vertical bar profiles (up to door width 3.250 mm). 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 SL 40“ or equivalent.

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

Technical data

Product	**Sectional door SLX 40** (materialgroup MD)
Performance data	*equivalent with product standard EN 13241-1* ▪ **Heat insulation:** EN 13241-1, attachment B EN 12428 - door[1)] without wicket door with double glazing U = 3,5 W/(m²K) optional: - door[1)] KS triple glazing U = 3,3 W/(m²K) [1)] With a door size of 16 m² ▪ **Resistance to wind load**: *Classification in acc. with EN 12424, test in acc. EN 12444*: Class 2 (max. Pa) ▪ **Resistance to water penetration**: Classification in acc. with EN 12425, test in acc.EN 12489: Class 2/3*[1] ▪ **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 class (normally inflammable) B2
Installation	▪ Masonry, Concrete, Steel construction
Size range	Width: 2.000 - 4.000 mm; Height: 1.875 - 6.000 mm (Further dimensions on request)
Door leaf	▪ Door leaf: Frame construction 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, scratch-resistant, retaining ledge KS-black with seal. Other infills with triple glazing, etc. ▪ 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.
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. handle 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, 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, 50Hz, 20 cycles* per hour, protection class IP 65, with emergency hand crank, TÜV approved, safety device integrated * A cycle is a complete closing and opening operation of the door.
Control	▪ 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. ▪ Pulse control (automatic mode “close“) in connection with closing edge safety device ▪ Radio remote control ▪ Automatic closing in combination with traffic lights ▪ Traffic control
Drives	▪ **door operator DRIVE 1100 | 1100^{pro+} | 1100^{tiga+}** ▪ Nominal Voltage 230V AC ▪ Control voltage 24V DC ▪ only for Normal (N) and Low headroom (NSH)- fitting ▪ 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 ▪ 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
Special-equipment	Casing, fixed panels matching door, side door N53 with upper casing, stop rail, ventilation grille,special RAL-colours

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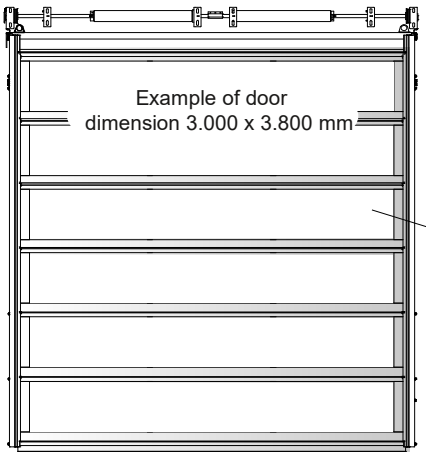
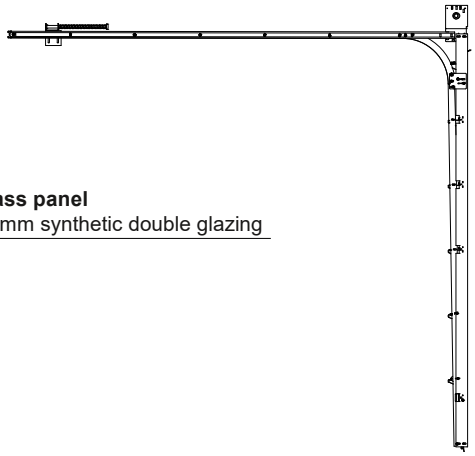
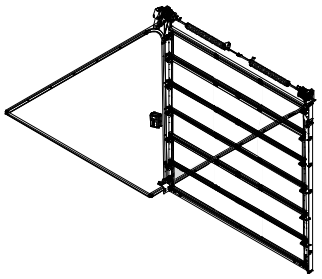
SLX 40 (exterior view)
The door is supplied without mullions for door widths of 3.000 mm.

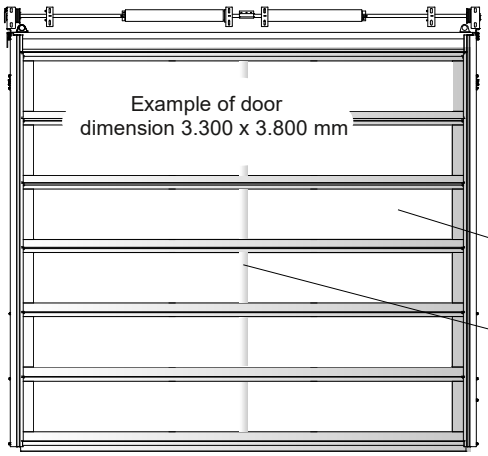


Normal-fitting





SLX 40 (exterior view)
A centre mullion is supplied for door width of > 3.000 mm.



Normal-fitting