Tender specification text

Product: **Steel sliding door**
Type: **ST602S hand operated/power operated**
Manufacturer: **SCHNEIDER**
Technical design in accordance with the applicable standards and regulations for the protection of employees.

Area of application:

Door for industry and workshops. An accurately designed door for every requirement. A solid sliding door contains virtually no wear parts so there are minimal maintenance and servicing costs.
U value approx. 3 W/m²K (depending on the door infill)
Operation: manually operated with hook lock or power operated with electric drive

General design:

Fully functional steel sliding door in self-supporting frame construction, door leaf consisting of hot-dip galvanised steel profiles. Construction depth 60 mm, profile width 95 mm
Infill with dual-wall construction elements (panels or glass)

Running rail produced from hot-dip galvanised steel profile with downward opening, 3.5 mm wall thickness, dimensions 68 x 67 mm; 6.3 kg/running metre with bolted seal carrier to partially cover the steel running rail (aluminium cover profile) with continuous sealing lip. Suspension of the door leaves by horizontal and vertical guided roller units. Roller diameter 80 mm, plastic-coated for vertical guidance and 2 roller diameter of 65 mm for horizontal guidance. Dust-proof, maintenance-free ball bearings.
Floor stop by means of floor bracket 50/50/5 mm hot-dip galvanised incl. claws. Panels inserted into frame profile.
Locking via hook lock or electric drive.

Frame:

Wall thickness of profiles min. 2 mm hot-dip galvanised steel.
Profiles mitred and joined by brazing. Profiles must not be welded in the visible area, as there is an increased risk of corrosion due to the burning of the zinc.

Infill:

Double-walled, insulated sandwich panel.
Consisting of 1 mm hot-dip galvanised sheet steel outside and inside, fully bonded with 40 mm hard foamed polystyrene (total thickness 42 mm) or with perforated aluminium sheet, perforated cross-section 7x7 mm, ventilation cross-section 50 % of the surface.

Standard separation > 3200 mm height 1 horizontal transom. Glazing with insulating hard glass (safety glass) H4/20/4 with a U-value of 1.1 W/m²K.
Dry glazing (without silicone) inside with aluminium retaining strips A6/C0 anodised with EPDM clamping rubber (different glass infills are possible on request).
Maximum glass height 4 m. Full glazing up to a maximum door height of 5 m.

Surface:

Powder-coated in façade quality RAL standard colour of your choice. Optionally matt or glossy.

Powder coating: After appropriate pre-treatment, an organic powder coating is applied. The coating is cured in a drying oven.
Frame, filling and pole profile can be coated in different colours without extra charge.
6 years warranty on the surface

Frame:

Lateral frame profile produced from steel (60 x 75; 5.5 kg/lm), hot-dip galvanised and powder coated in the same colour as the door, seal stop on opposite side.
The frame profile is attached to the running rail profile with a bolted connection.
Fixing brackets pre-mounted locally on the running rail.
Floor stop by means of floor bracket 50/50/5 mm hot-dip galvanised incl. continuous claws or FOK. Floor guide with U-profile on the door leaf and lateral ball-bearing floor rollers required.

Mounting:

Complete mechanical assembly incl. possibly required hoists or crane. Including sealing to the mounting surface by means of compriband but without connection sheeting or jointing.

Size:

Clear wall width: …..... mm

Clear wall height: …..... mm

Mounting in front/behind the reveal: …..

Outer frame width 1-part (max. 4.8 m): …..... mm

Outer frame height (max. 5 m): …..... mm

Passage width: …..... mm

Passage height: …..... mm
Fields per leaf: …..

Number of fields with panel infill: ….....

Outer panels: ….....

Inner panels: ….....

Number of fields with glazing: ….....

Frame transom profiles: ….....

Running rail: ….....

Special version: ….....

Ground detail: ….....

Labour EUR……
Miscellaneous EUR……

ST Unit price EUR……
EUR….....

Pedestrian doors in the door leaf:

Profiles of the door as for the sliding door
Ground sill profile max. 40 mm (special version with 10 mm possible).
Door closer Dorma TS 92 with opening limiter
Handle/flat lever handle made of anodised aluminium
Panic lock pusher/pusher, function B
Panic lock pusher/fixed knob, function E

Labour EUR……
Miscellaneous EUR……

ST Unit price EUR……
EUR….....

Special stainless steel version
(washing boxes, sewage treatment plants, salt storage):

Drives, locking bars, screw connections,
Mounting bracket and base profile in stainless steel V4A

Labour EUR……
Miscellaneous EUR……

ST Unit price EUR……
EUR….....

POWER-S sliding door drive:

Electromechanical sliding gate drive
Worm gear motor with integrated frequency converter stationary mounted on a local wall bracket at the side of the reveal.

An HTD 8M toothed belt system 20 mm thick, is tensioned like a linear rack parallel to the running rail in an additional running rail and is steered by a toothed belt pulley mounted on the drive. The ball bearing mounted carrier connected to the toothed belt is fixed to the door leaf and is guided in the additional running rail. The open and closed door position can be optimally adjusted using the digital limit switches.
Manual emergency operation by means of a disengaging coupling
Motor data: IP 65, 50-60 Hz,10-80 rpm, 0,85 kW, 230 V
Opening speed: v = max. 240 mm/sec.

Controls: Dead man CLOSED / Dead man OPEN
Housing with IP54 protection, contact protection by covering of live parts, integrated OPEN-STOP-CLOSE button, with CEE plug and 1-m cable, setting via rotary selector and 7-segment display, status and information display, cycle counter, programmable relay contact, maintenance cycle counter.
Including cabling at the gate and commissioning.
Electrical main connection on site.
Incl. initial technical acceptance by civil engineer and defect-free inspection book.

Labour EUR……
Miscellaneous EUR……

ST Unit price EUR……
EUR….....

ST Unit price EUR …… EUR…….....

Automatic closure surcharge:

Opening and closing in self-retaining mode, partial opening possible, with 2 leaves packages (left+right) can be operated individually, safety edge on the main closing edge and secondary closing edge, light barrier transmitter-receiver. Installation of the light barrier on one side 0.4 m for cars and 1.0 m for trucks. Automatic closing, termination of the open time after passage. 2 pcs. red traffic lights with LED luminaries for inside and outside incl. cabling. No power cut-off, endangered areas must be additionally insulated

Labour EUR …….....
Miscellaneous EUR ……...

ST Unit price EUR …… EUR…….....

Radio board:

Radio board integrated in the control system

Labour EUR……
Miscellaneous EUR……

ST Unit price EUR……
EUR….....

Handheld transmitter:

Handheld transmitter 4 channel

Labour	EUR……
Miscellaneous	EUR……
ST Unit price	EUR……

EUR….....