



Tender specification:

All doors comply with the following standards and regulations:

**Lift Directive 2014/33/EU
EN 81-20/50**

Car doors, four-panel, telescopic, centre-opening, K4Z as HD version

Transom: designed as closed box construction with side walls for a high degree of stability and protection against falling dirt, made of zinc-magnesium coated plate for maximum corrosion resistance

Tracking rails: rolled from 4 mm sheet steel, subsequently galvanised; adapted to the roller and kicking roller geometry

Track rollers: High-performance rollers made of cast polyamide for installations subject to high traffic and extremely heavy loads, minimum diameter 65 mm

Kicking rollers: made of steel with flange with eccentric bolt, are positioned positively on the tracking rails to ensure a smooth running of the door panels

Door panel/hanger connection: with the aid of reinforced eyebolts, thus door panels steplessly adjustable in terms of height and depth, reinforced hanger of the fast door panel

Skate system: Double skate (one skate on each half of the door) as moving expansion skate with third bracket for actuation of restrictor mechanism / zone locking required in accordance with EN 81-20;

Door panels: 1.5 mm material thickness, double-skin, made of zinc-magnesium coated plates, immediately ready for painting without any preparations

Modern door drive with bluetooth connection, low energy, one controller and one transformer for all motor configurations, also for DC- and EC-motors.

Powerful drives that employ the latest motor technology (200 kg, 400 kg, 800 kg) with their own intelligence. CanOpen interface as standard. Temperature sensor, controller and motor communicate via CanOpen. EC-drives: frequency control is located inside the motor for not pulling the frequencies over the complete wire. With absolute and incremental encoder. EC- and DC-motors in the same design (retrofit).

Motor protection class IP 54 as standard.

Guide shoes: with two independent guide shoes (each 100 mm long, 3 mm thick) with plastic sliders, which can be replaced without removing the door panels; every guide shoe each with two fastening screws and two set screws for being able to appropriately adjust the panels in the running direction; the guide shoes are directly fastened in the lower area of the door panel via screws with the door panel and the welded U-sheet channel

Sill: as aluminium solid sill for loads of up to 10 tons

Toe guard: 750 mm long, made of zinc-magnesium coated sheet steel, with the strength according to EN 81-20

OPTIONS:

Door panels: visible side faced with stainless steel 1.4301 (AISI 304), 240 grit / leather pattern / linen pattern / rhombus pattern / special material

Door panels: powder-coated according to RAL

Sill: made of galvanised plate, consisting of rolled profile on a base plate (2.0 mm thick), covered with a folded cover plate (3.0 mm thick), guide grooves cannot be seen when door panels are closed; wheel load 1.8 tons

Sill: made of stainless steel, material 1.4301, consisting of rolled profile on a base plate (2.0 mm thick), covered with a folded cover plate (3.0 mm thick), guide grooves cannot be seen when door panels are closed; wheel load 1.8 tons

Sill: as segment sill made of solid steel, primed

Sill: as segment sill made of solid stainless steel 1.4301 (AISI 304), unground

Sill substructure: Continuous sill support, made of zinc-magnesium coated plates, width: CDW + 100 mm