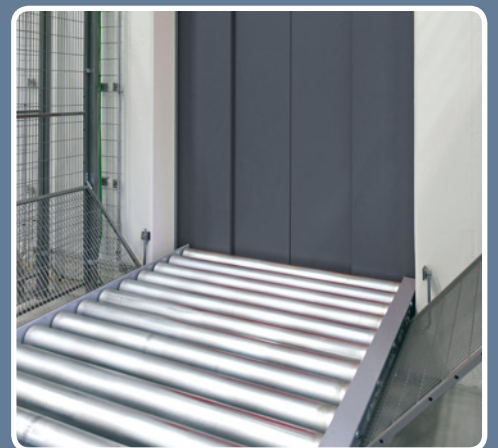


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CONVEYANCE SYSTEMS



Door System F

Door System F

Fire-retardant closures for conveyance systems

CONVEYANCE S





Door System F – An intelligent closure solution for conveyance systems

In modern logistics centres, high-performance conveyance technology is in use around the clock. Where automated conveyance systems are in constant operation, the **Door System F** from Meiller Aufzugtüren GmbH has proven itself remarkably as a fire-retardant shaft or room closure with high availability. The automatic, horizontally opening doors are installed as closures to shaft or room walls. A single-sided fire test in accordance with EN 81-58 criteria is available and has been verified with a fire protection assessment.

New intelligent door drive concept MiDrive

The new intelligent drive package **MiDrive** is mounted on every door header or, if preferred, installed as a travelling unit on the lifting device. It opens and closes the doors not only quickly but also with a frictional and positive-locking connection. The sheet steel door panels run on top-mounted rollers and sliders in compatible sill profiles. The door panels are either of a double-walled construction or a single-walled construction with insulation; they open and close either telescopically or, in the case of centre-opening doors, in opposing directions.

Double fall protection

The door is locked by a type-tested hook-bolt lock. If required, an additional, electromotive bolt locking mechanism provides double protection against a fall accident.

Configurable opening and closing times (travel control curves) ensure optimum integration of doors within the overall conveyor system cycle.

Quality features in detail

Material

Sheet steel, zinc-magnesium coated

Door header

Closed, welded, torsion-resistant box profile, for protection of mechanical parts.

Locking mechanism

For long service life and high strength and safety: low-wearing bearings for moving parts, e.g. roller or slide bearings, optimum force transmission.

Carriage

Two rollers and two kicking rollers per carriage, resting without play against the guide rail.

Rollers and kicking rollers

Long service life thanks to use of low-maintenance roller bearings; high-performance plastics used to satisfy the toughest demands.

Guide roller

Long service life thanks to use of galvanised, wear-resistant steel.

Door panels

MEILLER sheet metal panels comply with relevant standards of the respective constructions: as double-walled, welded box profile, in accordance with DIN EN 81-58 E120

As single-walled, reinforced sheet metal panel with insulation, in accordance with DIN EN 81-58 EI60

Sills

Made from aluminium, steel, or stainless steel.

Door drive benefits:

- Intelligent **MiDrive** door concept
- Fast and easy commissioning with smart-phone app:
 - Simply scan the QR code to configure the drive with perfectly coordinated parameters
- Optimised motor performance results in demonstrable increase in drive efficiency
- CANopen interface as standard
- Protection class IP 54 as standard
- Eco and EcoPlus energy-saving modes as standard
- Sophisticated energy management system that controls energy consumption
- Electric interlock activation - no separate power supply
- Standard servo mode supports opening of large and heavy doors
- Condition monitoring: lifetime data is logged to provide information on door condition



Door System F - Dimensions

Door construction				Clear door width
Side-opening	2-panel	TTS 25 - F	S-2-R/L - F	CDW = from 700 mm
Centre-opening	2-panel	STS 26 - F	S-2-Z - F	CDW = from 700 mm
Side-opening	3-panel	TTS 31 - F	S-3-R/L - F	CDW = from 800 mm
Centre-opening	4-panel	TTS 28 - F	S-4-Z - F	CDW = from 900 mm
Centre-opening	6-panel	TTS 32 - F	S-6-Z - F	CDW = from 1350 mm



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