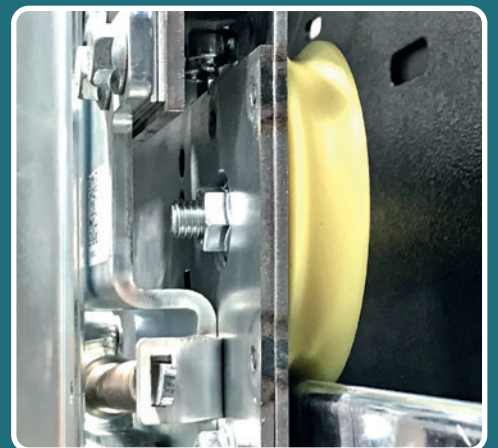


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# SPRINT<sup>®</sup> 4.0i



**High-Speed Door System SPRINT<sup>®</sup> 4.0i**

# High-Speed Door System **SPRINT® 4.0i**

**Top Speed**

**Maximum Comfort**

# SPRINT®



# 4.0i

**To achieve maximum transport performance, capacity calculations for modern lift systems take into account not only travel speed but also the shortness of the door opening and closing phases.**

It is for this reason that MEILLER has introduced its new high-performance **SPRINT® 4.0i** door, which has been specially developed for use in systems operating at speeds of in excess of 4 m/sec.

The most distinctive feature of this MEILLER door series is that it is the first to employ rollers of 90 mm in diameter together with kicking rollers of a diameter of 35 mm. The large rollers are low-wearing and very smooth running, because they perform approximately two revolutions per door cycle only (with a CDW of 1,100 mm). The high-performance **MiDrive®** door drive enables door speeds of approx. 1.0 m/sec., which translates to an opening time of less than 1.3 seconds for a two-panel centre-opening door (CDW 1,100 mm, CDH 2,300 mm).

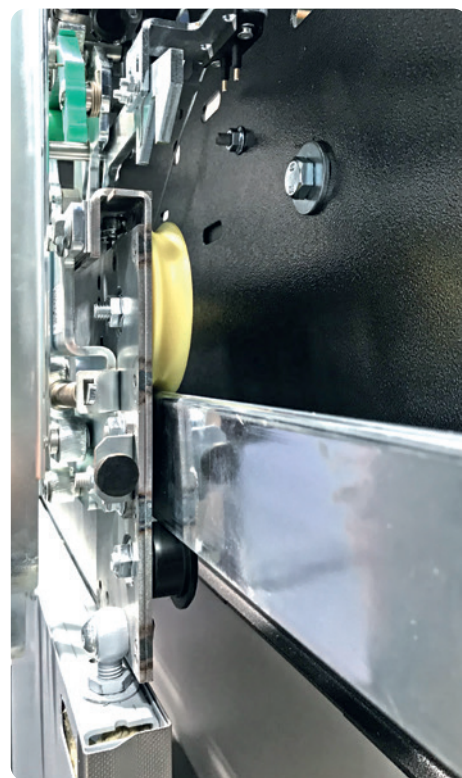
These high-performance doors are designed for use in conjunction with the tried and tested TM1 – (D)V skate system with the additional designation 'L', which denotes the larger clearance distance of the skate brackets between the hook lock rollers. This is now double what it was in the previous version and ensures fast and disturbance-free up and down movement of the car in the shaft.

The spot-welded panels of both car and landing doors are of a double-wall construction, and the landing doors are compliant with DIN 18091 or EN 81-58, E120.

All centre-opening doors have an overlap of 8 mm on the closing edges, which is formed by the cladding. Lateral labyrinths are fitted to the door panels of all door types for engaging with the frames and the hanger plates.

To prevent draughts in the lower area of the door, a kick plate is placed in the middle of the two guide shoes on the outer edges of the door panels. It also prevents whistling noises as the lift travels past closed doors.

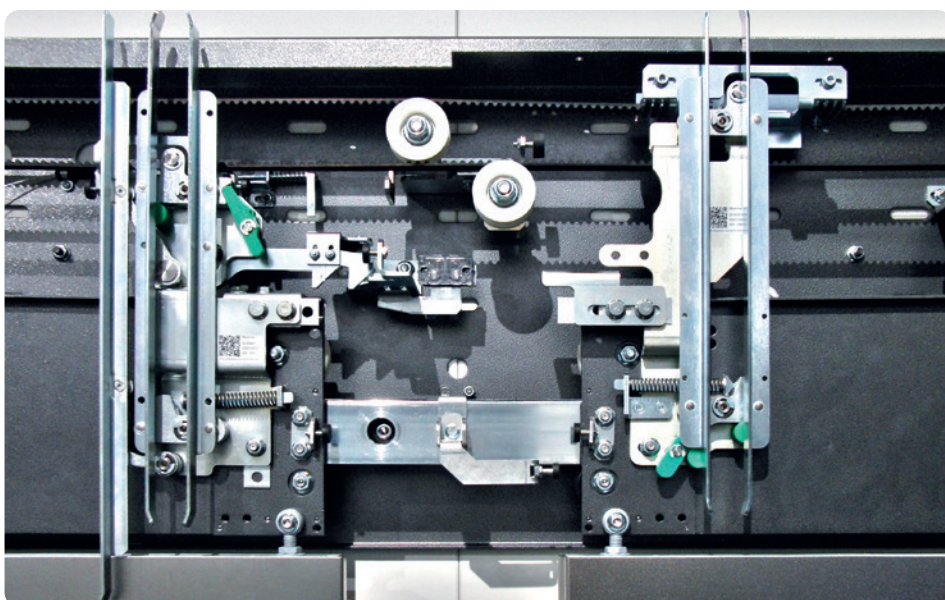
To further enhance noise reduction, the door panels can be filled with mineral wool, without this in any way affecting the fire testing certification according to EN 81-58, E 120.



## High Speed Door Drive MiDrive®

### Advantages of the Door Drive:

- Intelligent MiDrive® drive concept
- Fast and simple commissioning using a smartphone app: just scan the QR code to install individually coordinated drive parameters
- Demonstrable increase in drive efficiency thanks to extra smooth-running motors
- CANopen interface as standard
- Low energy modes Eco and EcoPlus available as standard
- Sophisticated power management system controls energy consumption
- Standard servo mode to support opening of large and heavy doors
- Condition monitoring: lifetime data recorded to supply information on door condition



## High-Speed Door System SPRINT® 4.0i - Dimensions

Door construction		Clear door width (CDW)	Clear door height (CDH)
2-panel side-opening TTS/TTK 25	S/K-2-R/L	CDW = 800 - 1400 mm	CDH = 2000 - 3000 mm
2-panel centre-opening STS/STK 26	S/K-2-Z	CDW = 800 - 1400 mm	CDH = 2000 - 3000 mm
4-panel centre-opening TTS/TTK 28	S/K-4-Z	CDW = 1300 - 2400 mm	CDH = 2000 - 3000 mm



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