Access platforms and walkways for a railway maintenance workshop



FORTAL designed and manufactured a set of access walkways for train driver doors and platforms to ensure safe operator movement within a railway maintenance workshop. These installations allow operators to move safely alongside trains, cross maintenance pits, and access different working areas. Custom-designed to integrate with existing infrastructure, they improve safety, ergonomics, and maintenance efficiency.

Robustness and safety for intensive use

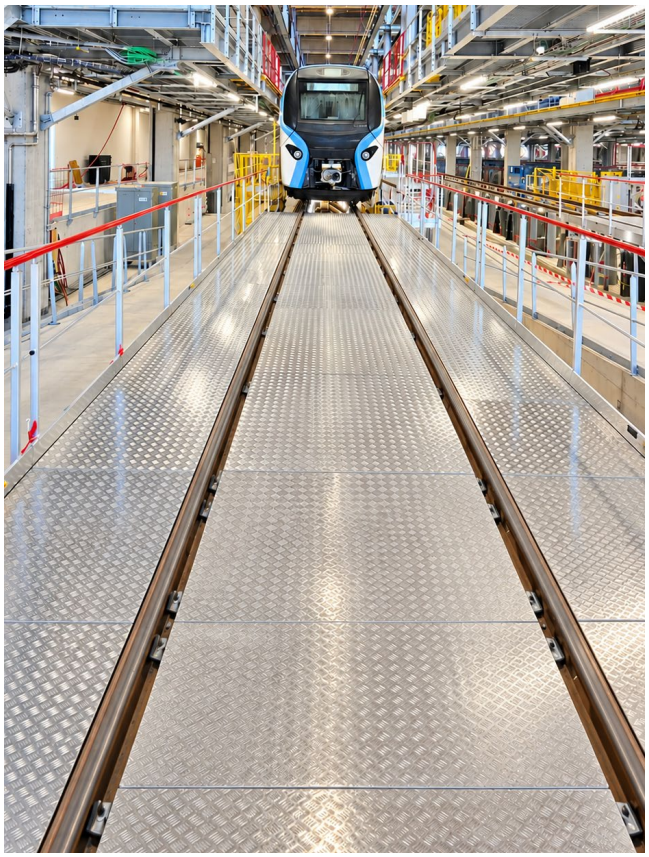
- Main structure manufactured from 6000 series extruded aluminum, providing excellent corrosion resistance and durability.
- Safe working load: 250 kg/m², suitable for railway maintenance operations.
- Custom-designed solution allowing the equipment to be integrated into existing infrastructure and adapted to the specific constraints of each track.



F89F892501140-1141-1142-1143 – October 2026

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Safe movement alongside trains

- Modular platforms installed at track level, providing safe circulation areas on both sides of the rails.
- 4,000 mm long modules comprising a 1,310 mm wide central platform and 818 mm wide side platforms.
- 4.4 mm thick anti-slip chequered aluminum decking, providing excellent grip when walking.
- 1,100 mm high guardrails with red handrail, intermediate rail, and baseboard, ensuring operator protection.

Ergonomic access to train driver doors

- Access walkways specifically designed to facilitate access to train driver doors from the workshop circulation areas.
- 45° access staircases equipped with anti-slip aluminum steps, 800 mm wide.
- Fixed platforms measuring 3,420 × 860 mm, providing a comfortable circulation area.
- Rubber protection on the train-facing side to minimize the risk of impact.
- Removable guardrails ensuring continuous access between fixed walkways and mobile modules.

Modularity and adaptation to workshop constraints

- Modular platform sections adapted to the configuration of the tracks and maintenance pits.
- Side platforms supported by structures resting on the rails and within the pits, ensuring excellent stability.
- Offset structure beneath the walkways, maintaining access to the bogies during maintenance operations.
- Mobile modules equipped with Ø200 mm swivel casters with brakes, allowing easy movement.
- Positioning and locking systems ensuring a secure connection between mobile and fixed modules.
- Specific configuration on the lifting table side, featuring a mobile platform, offset guardrail, and protective barriers preventing access beneath the platform.

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