

Automated People Mover Wheels

THE HUTCHINSON MOBILITY DEVICE SOLUTION

Hutchinson runflats are designed, optimized, and validated to meet stringent customer requirements including;

- Load wheel and guide wheel runflats, 9" - 27"
- Heavy duty service loads - upwards of 8,000 kg loads
- High duty cycles, 24/7 operations
- Extend service life requirements, 10+ years

Hutchinson can provide runflat solutions based upon;

- Load specifications
- Tire deflection requirements
- Wheel specifications
- Track design
- Train duty cycles



Custom-designed aluminum wheels to match train performance requirements:

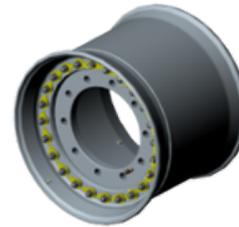
- Advanced loading schedules, up to 8,000kg wheel load
- Sizes: 9"– 27"
- Various Duty cycles
- Extended life Expectancy, 10 to 15 years

1-piece and 2-piece wheels

- **1-piece wheels for legacy programs & APMs**
 - Ability to mount our composite runflat systems
 - Replacement of steel wheels for weight savings
- **2-piece wheels for new programs**
 - Easier assembly compared to 1-piece wheel assemblies
 - Safer assembly with less chance of tire damage
 - Ability to mount with beadlocks for optimal performance
- Single or Dual Mount Configurations



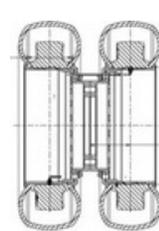
LOAD WHEEL
1-piece 22.5" x 14"



LOAD WHEEL
2-piece 22" x 9"



GUIDE WHEEL
2-piece 9" x 4"



DUAL MOUNT LOAD WHEELS 22" X 8.5"

Validation Testing

- Proprietary fatigue life prediction analysis
- Radial Fatigue, Cornering fatigue analysis
- FEA
- Chemical exposure conformance

